

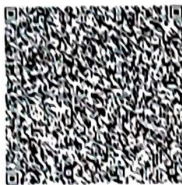


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 Unique Doc. Reference : SUBIN-UPUP1405480430872187998039V
 Purchased by : ITS ENGINEERING COLLEGE
 Description of Document : Article 5 Agreement or Memorandum of an agreement
 Property Description : Not Applicable
 Consideration Price (Rs.) :
 First Party : SOFTPRO INDIA COMPUTER TECHNOLOGIES PVT LTD LUCKNOW
 Second Party : ITS ENGINEERING COLLEGE
 Stamp Duty Paid By : ITS ENGINEERING COLLEGE
 Stamp Duty Amount(Rs.) : 100
 (One Hundred only)



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MEMORANDUM OF UNDERSTANDING
(MOU)
FOR THE ESTABLISHMENT OF
CENTRE OF EXCELLENCE
(ON IOT, INDUSTRY X.0)
BETWEEN

Softpro India Computer Technologies Pvt. Ltd, Lucknow

&

1.T.S Engineering College, Greater Noida

Yashi
25/3/23

[Signature]

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- The onus of checking the legitimacy is on the users of the certificate.
- In case of any discrepancy please inform the Competent Authority.

**MEMORANDUM OF UNDERSTANDING
(MOU)
FOR THE ESTABLISHMENT OF
CENTRE OF EXCELLENCE
(ON IOT, INDUSTRY X.0)**

BETWEEN

Softpro India Computer Technologies Pvt. Ltd, Lucknow

&

I.T.S Engineering College, Greater Noida



Yash
25/2/22

[Handwritten Signature]

Yashi
25/3/23
Mayank
25/03/23

Mayank
25/03/23

This MoU is signed on this the 25th day of March Two Thousand Twenty-Three (25/03/2023)

BETWEEN

SOFTPRO INDIA COMPUTER TECHNOLOGIES PVT. LTD., LUCKNOW having its office at Softpro Tower, Near New Hanuman Temple, Kapoorthala, Aliganj, Lucknow and represented herein by its CEO, **Ms. Yashi Asthana** (hereinafter referred to as "**First Party**", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

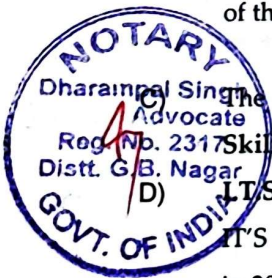
AND

I.T.S Engineering College having its premises at 46, Knowledge Park-III, Greater Noida, UP, India – 201310 Uttar Pradesh, hereinafter referred to as "**Institute**" of the second party represented by **Director - Dr. Mayank Garg.**

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS:

- A) **SOFTPRO INDIA COMPUTER TECHNOLOGIES PVT. LTD.,** the First Party is engaged in **Software Development, Manufacturing, Skill Development, Research, Training, Employment and Development Services** in the fields of **Computer Science/ Electronics/Automation/Mechanics/Civil & Robotics** and related fields referred to as **SPI, Lucknow.**
- B) First Party & Second Party believe that collaboration and cooperation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.



The Parties intent to cooperate and focus their efforts on cooperation within area of **Skill Based Training, Project Development, Internships, Research & Employment.**

I.T.S Engineering College is a private institute established in 2006 and is a part of the I.T.S The Education Group. **I.T.S Engineering College** is a private institute established in 2006 and is a part of the I.T.S The Education Group. I.T.S The Education Group was established in 1995. The Group has 10 Institutions located at 4 campuses with more than 700 faculty members and offering 20 courses to 9000 students. **I.T.S Engineering**

Yashi
25/3/23

Mayank

College has earned a reputation for academic excellence in providing academic programs in the area of Engineering and Management. The courses offered in B. Tech are CE, CSE, CSE (AI&ML), CSE (Data Science), ECE, EEE, ME and MBA in Management program. All courses are approved by AICTE, New Delhi and affiliated to AKTU, Lucknow.

NOW, THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MoU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1 CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and cooperation that will promote and advance their respective operations within the **Institute**. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.



First Party and Second Party cooperation will facilitate effective utilization of the intellectual capabilities of the services of First Party providing significant inputs to them in developing suitable teaching/learning/ training systems/employment opportunities, keeping in mind the needs of the industry to the Second Party.

CLAUSE 2 SCOPE OF THE MoU

Establishing a **Centre of Excellence** in **Institute** on mutual consent & meetings to enhance **StartUps, research work, project development, internship & Entrepreneurship**.

Benefits to the students:

- 2.1 The students will get an opportunity to learn and interact with Dedicated and Experienced Experts of the Organization
- 2.2 Innovative Projects based on IoT will be discussed so that the students can get into research work & product development based on IoT.

Yash
24/3/23

[Signature]

- 2.3 Participants will get cost relaxation on our In-house Training Programs conducted at Softpro Campus in future and other Professional Workshops valid till the MoU's end date.
- 2.4 Competitions will be held to spot out and Honor the Budding Talents. Students can develop their skill sets through formalized training programs.
- 2.5 Career Guidance will be provided during the program on life in the Engineering industry since Engineering Students face the most generalized dilemma that what to do after B.Tech.

Benefits to the Institute:

- 2.6 Increased market value of Training Program through Structured Content and Certifications. First Party will be providing resource persons & industry experts to organise regular sessions under CoE labs like workshops, ted talks, industry-endorsed project development for students for their practical learning.
- 2.7 First Party will be regularly adding new technologies and skill enhancement solutions and these new addendums will be available to all its partners. Softpro CoEs are best for those, who are already running their colleges and **Institutes** and they know the need of hardware development.
- 2.8 First Party will bring all the necessary hardware equipment required for project demonstration or development for the students.

Essential Requirements for Implementation from Second Party:

Requirements for Lab Setup: Vacant Room having

1. Computer Lab of 50 Nodes.
2. Locked Wardrobes/Almirah.
3. Electricity Connections at every table.
4. Air Conditioner and Electricity Lamps.
5. I3/Dual Core Computers with Operating System and related software.
6. Lab should be Equipped with the LCD Projector.
Microphone and Speaker.



Yash
24/3/25

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8. Boarding and Lodging for First Party Experts (If needed).
9. Timing of the sessions will be decided after a proper discussion with **Institute**.
10. Centre of Excellence Name Plate outside the lab having the organization name.
11. A Single Point of Contact (SPOC) from the second party to coordinate for annual activities with the first party.

CLAUSE 3 FINANCIAL ENGAGEMENTS

- 3.1 There is no financial commitment on the part of the second party, the First Party to take up any program mentioned in the MoU.
(However, both the parties are free to participate in any future commercial activities like paid trainings and internships etc).

CLAUSE 4 INTELLECTUAL PROPERTY

- 4.1 Nothing contained in this MoU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 5 VALIDITY

- 5.1 This MoU shall be initially valid for a period of 01 year commencing from the date of the MoU, the ^{25th} ~~23rd~~ Day of March Two Thousand Twenty-Three. ²⁵ ~~(23/03/2023)~~. The term may be extended for a further period by mutual consent in writing by the parties, during which period **Softpro India**, the First Party, as the case may be, will take effective steps for the implementation of this MoU.
- 5.2 Under normal circumstances, either party wanting to terminate the MoU can do so & it can be done on as mutually agreed. In case of either party not meeting their responsibilities; the MoU can be terminated immediately.

The Parties hereto have set & subscribed their respective hands & seal on the day, month & year herein above mentioned.



Yash
25/3/23

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25/3/23
Kayam
25/03/23

CLAUSE 6 RELATIONSHIP BETWEEN THE PARTIES

- 6.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MoU as independent bodies, and the relationship established under this MoU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MoU to make MoU of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.
- 6.2 The arbitration proceedings between the parties in case of a dispute would be held subject to Greater Noida jurisdiction. The said clause would be governed by the laws of India.

AGREED:

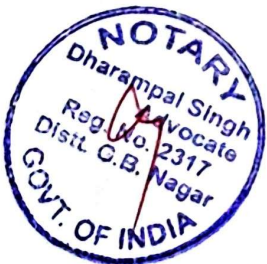
For Softpro India Computer
Technologies Pvt. Ltd., Lucknow

For I.T.S Engineering College
Greater Noida

Yash
2/2/23
Authorized Signatory

K. Singh
25/03/23
Authorized Signatory

SOFTPRO INDIA COMPUTER TECHNOLOGIES PVT. LTD	I.T.S Engineering College, Greater Noida
Address: Softpro Tower, Near New Hanuman Temple, Kapoorthala, Aliganj, Lucknow. UP-226006	Address: 46, Knowledge Park-III, Greater Noida, UP, India - 201310
Contact Details: 7080102011	Contact Details: 9219604511
E-mail: ceo@softproindia.in	E-mail: dir.engg@its.edu.in
Web: https://www.softproindia.in/	Web: https://www.itsengg.edu.in



ATTESTED
Dharampal Singh
Dharampal Singh
Notary Advocate
Reg. No. 2317
Distt. Gautam Budh Nagar

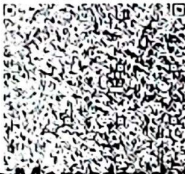


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Ku
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ACC. Code : UP14099804
Licence No.: 566/2021 (GZB)
Mob. No.: 9873463177

Certificate No. : IN-UP23085623856200U
 Certificate Issued Date : 14-Oct-2022 12:09 PM
 Account Reference : NEWIMPACC (SV)/ up14099804/ GHAZIABAD SADAR/ UP-GZB
 Unique Doc. Reference : SUBIN-UPUP1409980438798128178582U
 Purchased by : SANTOSH DEEMED TO BE UNIVERSITY
 Description of Document : Article 5 Agreement or Memorandum of an agreement
 Property Description : Not Applicable
 Consideration Price (Rs.) :
 First Party : SANTOSH DEEMED TO BE UNIVERSITY
 Second Party : ITS ENGINEERING COLLEGE
 Stamp Duty Paid By : SANTOSH DEEMED TO BE UNIVERSITY
 Stamp Duty Amount(Rs.) : 100
 (One Hundred only)






Memorandum of Understanding
(PATENT CO-APPLICATION)

This **Memorandum of Understanding ("MoU")** is effective as of the date of the last signature on the signature page ("18.05.2022") by and between

Santosh Deemed to be University, managed by Santosh Trust, No.1, Santosh Nagar, Ghaziabad – 201009, established under the University Grants Commission Act, 1956, represented by the **Registrar Dr. Alpana Agarwal**, hereinafter referred to as the "**SDU**", being the Party of the **FIRST PART**.

AND

Collaborator having its premises at **ITS Engineering College, Plot No. 46,**

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Director
ITS Engineering College
Greater Noida

Statutory Alert:

- The authenticity of this Stamp Certificate should be verified at www.santoshstamp.com/ or using e-Stamp Mobile App of Stock Holding Corporation of India.
- The details of the Certificate and as available on the website / Mobile App renders it strong.
- The liability of confirming the authenticity is on the users of the Certificate.
- In case of any discrepancy, also inform the Competent Authority.

Knowledge Park 3, Greater Noida, Gautam Budh Nagar, Uttar Pradesh, represented by the **Dr. MAYANK GARG, Director**, hereinafter referred to as the "Collaborator," being the Party of the OTHER PART.

SDU and the Collaborator may be referred to individually as a "Party" or collectively as the "Parties."




WHEREAS SDU is a premier academic and research institution established under section 3 of the University Grants Commission Act, 1956;

AND WHEREAS the Collaborator is; Working on the Project in the are of Dental Sciences.

AND WHEREAS 1. MUSKAN SACHDEVA-BDS, 2. AFREEN ALI-BDS AND 3. ARSHDEEP SINGH BAIDWAN- MBBS Course at SDU, are working on a project in the area of **MARVEL TOOTH BRUSH ("Research")** and find that the research done and the results are novel and potentially patentable.

AND WHEREAS to take the Research forward, SDU has approached the Collaborator, to assist in building a prototype to transform the Research from an idea into a product, and the Collaborator has agreed to the same and has offered its fabrication lab and resources, so the parties can jointly prepare a working prototype ("**Prototype**") based on the Research at SDU. The Research and the Prototype are jointly referred to as the ("**Project**").

AND WHEREAS the Parties wish to enter into the present MoU to record their understanding on the filing of the patent(s), its protection, renewal and

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Director
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Greater Noida

maintenance and prospective use and benefits to both parties.




AND WHEREAS SDU and the Collaborator desire to record their understanding of the Project pursuant to the collaboration undertaken by the Parties upon terms and conditions set forth in this MoU.

In consideration of the above recitals and the mutual benefits to derive hereafter, the Parties have agreed to enter into this MoU as follows:

1. **DEFINITIONS:** In this MoU, the following terms have the meanings set forth in this Article.




1.1. **"Claim":** Any claim of an issued and unexpired patent or any claim of a pending patent application contained in the Patent Rights which has not lapsed, has not been irrevocably withdrawn or abandoned, has not been held permanently revoked, has not been held unenforceable or has not been held invalid by a final decision of a court or other governmental agency of competent jurisdiction, or has not been held unappealable or un-appealed within the time allowed for appeal.

1.2. **"Confidential Information":** Information (*including without limitation design, data, technology, know-how, documents, notes, drawings, models, designs, data, results, memoranda, tapes, records, hardware, software, formulae and algorithms, in hard copy form or electronic form*) which is not generally available to the public and which is disclosed by a Party to the other Party in connection with this MoU, including without

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limitation information that: (a) is related to and results from or arises out of the use of the Invention or the Patent Rights, or (b) is reasonably necessary for the practice of the Patent Rights or for the development or commercialization of Licensed Products.

- 1.3. **"Infringe," "Infringement,"** or any correlative term: Any infringement (whether direct, indirect, contributory or otherwise) of the intellectual property rights of SDU or the Collaborator (*including without limitation under the doctrines of claim construction or differentiation, literal overlap, or equivalents*); or any misuse, misappropriation, or breach of confidence related to the Invention and/or the Patent Rights.
- 1.4. **"Inventor":** Each of the persons of Collaborator and SDU who invented or inventively contributed to the invention entitled to the Patent or other related IP Protection/Rights, and by the merit of which his/her name is listed as an inventor or creator in the patent application.
- 1.5. **"Licensed Product":** Any product, service, or process, the making, use, offer for sale, importation, or providing of which uses any technology disclosed in the relevant Patent Application(s).
- 1.6. **"Licensee":** The licensee under a License MoU.
- 1.7. **"Patent Rights":** shall mean all Intellectual Property (IP) generated under the 'Project' including but not limited to patent (Design and/or literal), that may arise from the Inventions listed in Schedule A and/or

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improvements and relevant applications whether filed before or after the Effective Date, but in furtherance of or in connection with this collaboration.

1.8. "Project" the Research and the Prototype are jointly referred to as the Project as more fully detailed in Schedule A.

1.9. "Revenue": All cash and non-cash consideration actually received by way of a transfer, license, sub-license or dealing with any manner under any MoU.

2. **COLLABORATION, OWNERSHIP; RESERVED RIGHTS; CONFIDENTIAL INFORMATION**


2.1. Collaboration -which involves **MARVEL TOOTH BRUSH** ("Research (by the SDU group as in Schedule A)

2.2. Ownership

(a) SDU and the Collaborator shall be joint applicants / Co-applicants in the Patent Application(s), with respect to the Project.

(b) Notwithstanding, section 50(1) of the Patents Act of 1970, SDU shall have the sole and undivided ownership and interest in and to any and all Intellectual Property (IP) generated under the 'Project'. The MoU shall be read as the MoU for the purposes provided in section 50(2) of the Patents Act, 1970.

(c) The Collaborator shall have the limited rights to use the Patents for their academic purposes and internal research purposes only. Furthermore, the Collaborator shall not receive and/or derive the benefits of any third-party license or transfer and/or the Revenue

 <p><i>[Signature]</i></p> <p>SANTOSH DEEMED TO BE UNIVERSITY First Party</p>	<p><i>[Signature]</i></p> <p>ITS ENGINEERING COLLEGE Second Party</p>
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generated there from.




- (d) The Collaborator consents to the exclusive right of SDU to grant license(s) (with the right to sub-license) the patents globally. SDU accepts that the Collaborator shall not be responsible in any way for the nature, extent, or effectiveness of the exploitation of the Patents.

2.3. **Reservation of Rights:** SDU shall exclusively take all decisions relating to the following:

- (a) To use the Invention, practice under the Patent Rights, and to make and use Licensed Products, for any purpose (*Non-Commercial or Commercial Uses*);
- (b) To License the IP to government agencies, universities or other educational institutions, non-profit (or foreign equivalents of the foregoing) (Non-Commercial Organizations) and/or such other for-profit organization (Commercial Organizations), to use the Invention, practice under the IP Rights, and to make and use Licensed Products on an exclusive/ non exclusive basis, royalty/ royalty-free basis, and on such other terms as it may deem fit and appropriate.; and
- (c) To disseminate and publish scientific findings from research related to the Invention, IP Rights, and/or Licensed Products.

2.4. **Background Intellectual Property Rights:** SDU is the sole owner of all background Intellectual Property.

2.5. **Revenues:** SDU will take all decisions relating to the license, transfer, sharing, or in any manner dealing with the Invention. The parties agree that all benefits that may arise out of such invention shall belong exclusively to SDU. The obligation to share the benefit with the

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- i. Each Party shall continue to their interest in the invention and the related IP Rights and Commercial terms.
- ii. SDU shall continue to independently enter into Commercial MoUs for the commercial development and exploitation of the invention, without any reference to the Collaborator.
- iii. The ownership or percentage of share in expenses or income shall be fixed and Parties may change or modify by mutual MoU, in writing.
- iv. Each Party shall make available to the other Party copies of all relevant documents called for under the MoU applicable to the invention, to the extent that copies have not been furnished previously.

6. REPRESENTATIONS AND WARRANTIES



6.1. **Representations by Collaborator:** The Collaborator makes no representation or warranties, either express or implied, with respect to the invention and Patent Rights.

6.2. **Representations by SDU:** SDU hereby represents to Collaborator that, to its actual knowledge, as of the Effective Date:

- (a) In accordance with SDU's IPR Policy, SDU has full right, title, and interest in and with respect to any and all inventions made, implemented, or generated by SDU's researchers (including faculty members and students concerned) - including the IP therein, subject to any rights of the Government under grants to SDU and relevant IP Policy.
- (b) The execution, delivery and performance of this MoU do not violate any MoU that each party may have entered into.

 <p>SANTOSH DEEMED TO BE UNIVERSITY First Party</p>	 <p>ITS ENGINEERING COLLEGE Second Party</p>
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- 6.3. The execution, delivery and performance of this MoU and the transactions contemplated hereby have been duly approved; this MoU has been properly executed by an authorized officer of each party; and this MoU is the valid and binding obligation of each Party and is enforceable in accordance with its terms, except where enforceability may be limited by applicable bankruptcy, reorganization, insolvency, and similar laws affecting the rights of creditors generally, and general principles of equity.
- 6.4. No consent, approval, or authorization of, or designation, declaration, or filing with any governmental authority or other people, is required on the part of either Party in connection with the execution, delivery, or performance of this MoU.
- 6.5. Limitation of Liability. In no event will any Party's liability of any kind include any special, indirect, incidental, consequential or punitive losses or damages, even if the Party has been advised of the possibility of such damages.
- 6.6. No Joint Liability. The liability of the Parties under this MoU shall be several, and not joint and several. The Parties agree that nothing in this MoU shall be construed as implying joint liability in any case and that each Party will be solely responsible for its acts or omissions. If an action is brought by an outside Party against two or more Parties to this MoU, the Parties agree that neither Party to this MoU will be liable for an amount greater than its proportional contribution to any finding of negligence upon which such action is based.
7. NOTICES
- 7.1. Notices. Notices under this MoU shall be in writing and shall be delivered personally as proven by a signed receipt, Email, sent by a reputable, national overnight delivery service, charges prepaid or sent by certified

 <p>SANTOSH DEEMED TO BE UNIVERSITY First Party</p>	 <p>ITS ENGINEERING COLLEGE Second Party Director</p>
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mail return receipt requested. Notices shall be addressed to a party at the address specified below, or at those other places or places as shall from time to time be specified in a notice similarly given. All notices shall be effective upon receipt.

If to SDU

Notices to SDU: **DR. ALPANA AGRAWAL,**
REGISTRAR, SANTOSH DEEMED TO BE
UNIVERSITY

Address: No.1, Santosh Nagar, Ghaziabad-201009.

Phone: 0120-4933350

Email: registrar@santosh.ac.in

If to the Collaborator

Notices to SDU: **DR. MAYANK GARG,**
DIRECTOR, ITS ENGINEERING COLLEGE, GREATER
NOIDA.

Address: Plot No. 46, Knowledge Park-3, Greater Noida,
Gautam Budh Nagar, Uttar Pradesh.



Phone: 09219604511

Email: dir.engg@its.edu.in

8. MISCELLANEOUS

8.1. Assignment



(a) General: This MoU shall be binding upon and insure to the benefit of the Parties and their respective legal representatives, successors in interest, and permitted assigns. Any reference in this MoU to a Party shall be construed to include that Party's

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successors and permitted assigns. Any purported assignment in violation of this section shall be invalid.

- (b) Permitted Assignment. Either Party may assign this MoU to a successor-in-interest, however, the Collaborator may not otherwise assign or transfer this MoU with out the prior written consent of SDU, which consent may be with held or denied, without assigning any reasons whatsoever.
- 8.2. Jurisdiction. Each party consents to the exclusive jurisdiction of the Courts exclusively at New Delhi, India for any suit relating to this MoU, and agrees to file any such suit in one of those courts.
- 8.3. Entire MoU. This MoU embodies the entire understanding between the Parties with respect to the subject matter of this MoU. There are no contracts, understandings, conditions, warranties, or representations, oral or written, express or implied, with reference to the subject matter of this MoU that is not merged in this MoU.
- 8.4. Relationship Between the Parties. The Collaborator and SDU are not (and nothing in this MoU may be construed to constitute them as) partners, joint ventures, agents, representatives, or employees of the other. Neither Party has any responsibility nor liability for the actions of the other Party except as specifically provided in this MoU.
- 8.5. Further Assurances. The Parties shall execute and deliver and cause to be executed and delivered further MoUs, instruments and documents and shall take further actions as may be required or appropriate to carry on
- 8.6. Use of Names; Publicity. Neither Party shall use the name, seal, logo, as per the terms and conditions of this MoU. trademark, or service mark of the other or any of its personnel, or any adaptation thereof, in any

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Director
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Greater Noida


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advertising, promotional, or sales literature without prior written consent obtained from the other Party. Either Party may publicize the fact that the Parties have entered in to this MoU. However, press releases or other public releases of information shall be coordinated between the Parties prior to release.



- 8.7. No Implied Rights. No thing in the MoU shall be construed to imply any license rights or other commitments with respect to any future research, or any intellectual property rights, or any technology, other than for the express terms set forth in the MoU relative to the Invention and IP Rights.
- 8.8. Counterparts. This MoU may be executed in any number of counterparts, each of which shall be an original, and all of which shall together constitute one MoU.

THE PARTIES HAVE CAUSED THIS MOU TO BE EXECUTED BY THEIR DULY AUTHORIZED REPRESENTATIVES.

SANTOSH DEEMED TO BE UNIVERSITY ITS ENGINEERING COLLEGE


Signature:
Name: Dr. Alpana Agarwal
Title: Registrar
DATE:



Signature:
Name: Mayank Garg
Title:
Date:

 <p>SANTOSH DEEMED TO BE UNIVERSITY First Party</p>	 <p>ITS ENGINEERING COLLEGE Second Party</p>
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ITS Engineering College
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SCHEDULE A

Invention[s]:	CONCEPT: <p>Your smile and your overall health depend on simple dental care habits. These habits involve regular brushing and flossing. Keeping the area where your teeth meet your gums and the tooth surfaces clean can help you stave off cavities and gum diseases. Studies suggest that teeth should be brushed for a full two minutes, twice per day with the proper technique. Aggressive tooth brushing and improper use of the brush can lead to serious dental damage. Brushing the teeth with a great deal of pressure, or using a toothbrush with medium or hard bristles. It is highly abrasive and destructive to the teeth by causing:</p> <ul style="list-style-type: none">• Enamel wear• Gum recession• Increased tooth sensitivity• Tooth Decay <p>To provide a solution to all these problems, we are trying to build a user-friendly e-toothbrush that provides regular update on the health status of the mouth and maintains good oral health.</p> INNOVATION: <p>To ensure people's good oral health and help them in self-diagnosis the solution is an innovative and cost-effective electric brush "THE MARVEL TOOTH BRUSH"</p> <p>Features of this brush-</p> <ul style="list-style-type: none">• The marvel tooth brush model provides real time feedback on your brushing habits by connecting with the app on your smart phone, helping you improve your overall oral health• An inbuilt sensor to detect the pressure and direction of
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 <p>SANTOSH DEEMED TO BE UNIVERSITY Registrar First Party</p>	 <p>ITS ENGINEERING COLLEGE Second Party Director</p>
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ITS Engineering College
Greater Noida
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brushing technique followed by the person with automatic on/off system to alert user to apply corrective measures of brushing.

- A Timer set at 2min to make the person follow the apt timing of brushing.

- In built camera to screen health status of mouth (during massage mode) via image processing, oscillating and rotating brush head.

- Includes Different Modes

- 1) Brushing Mode
- 2) Massage Mode
- 3) Tongue cleaning mode

- App Associated: It will include

1. Healthy Brushing tips and technique
2. Digital reminders to replace your brush head
3. Results of Mouth scanning and screening system to analyse:

1. Dental caries
2. Plaque and calculus
3. Oral lesions

This is the best solution to overcome the tooth decay problems and maintain good oral health. As everyone knows brushing is the most important daily chore to maintain good oral health but are either unaware of the proper technique or have a casual attitude towards brushing. It will guide people about severity of persisting oral problems.

So, this brush will be the one stop solution to all the problems as it ensures proper pressure applied, correct technique and right timing.




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	<p>IMPACT</p> <p>Electric toothbrushes clean teeth and gums much better than a manual toothbrush. Studies have shown that people who use an electric toothbrush have healthier gums, less tooth decay and also keep their teeth for longer, compared with those who use a manual toothbrush. The Journal of Clinical Periodontology, found that electric toothbrushes resulted in 22% less gum recession and 18% less tooth decay over the 11-year period. This Tooth brush will not only help them to clean their teeth but will also give them an insight to problems arising in their tooth causing dental caries and tooth decay. As we know that all are confined to homes due to pandemic this brush will help them to diagnose the problem and consult the doctor for temporary prosthesis.</p>	
Title	THE MARVEL TOOTHBRUSH	
Inventor(s)	Team: Muskaan Sachdeva, Afreen Ali, Arshdeep Singh Baidwan	
Percentage of Ownership Interest / Revenue Sharing	SDU	COLLABORATOR
	100%	0%

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Director
ITS Engineering College
Greater Noida

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