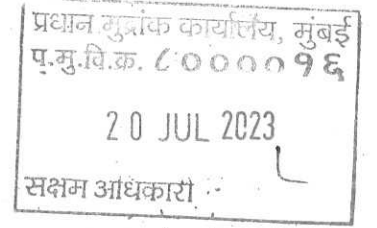




महाराष्ट्र MAHARASHTRA

2023

CB 094208



AGREEMENT FOR GRANT

श्रीम. एल. एस. सांगळे

This Agreement for Grant ("this Agreement") is entered on this 1st day of July 2023, and is effective from 1st July 2023 to March 2024, at Mumbai, by and between

Larsen & Toubro Limited, a company within the provisions of the Companies Act, 2013, having its registered office at L&T House, Ballard Estate, Fort, Mumbai – 400 001, acting through its Corporate Social Responsibility ("CSR") Department located at Landmark Building, A Wing, 1st Floor, Suren Road, Off Andheri Kurla Road, Andheri (E), Mumbai- 400093, (hereinafter called "L&T" which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) of the One Part;

AND

St. Joseph's Technical School, an Institution, incorporated in 1973 registered under The Societies Registration Act, 1860, Maharashtra State, having Registration No. Bom. 63/73 G.B.B.S.D., CSR



Registration number with Government of India [CSR00002656] with Permanent Account Number AACTS0971N and having its registered office at Premier Automobiles Road, Kurla West, Mumbai 400070, India (hereafter called “SJTS” which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) of the Other Part;

L&T and SJTS are hereinafter individually referred to as “the Party” and collectively referred to as “the Parties”)

WHEREAS

- A. L&T is a major Indian multinational in technology, engineering, construction, manufacturing and financial services conglomerate, with global operations. L&T, *inter alia*, undertakes various social development programmes through interventions in water and sanitation related programmes, education, health and skill development as part of the strategic theme adopted, viz. “Building India’s Social Infrastructure” under its CSR initiatives.
- B. SJTS is a reputed non-profit Public Charitable Trust founded in 1965, and has represented to L&T that it is engaged in Skill Training Program for neighboring schools wherein more than 100 school students were trained in various vocational skills of standard 9th and 10th. Institute has trained more than 6000 women under the outreach program promoting entrepreneurship and livelihood skills. The organization has been extensively involved in the development of the tribal population of Walvanda, from teaching the children in the nearby shanties of Kurla to providing small technological solutions to problems of the tribal population of Walvanda.
- C. L&T has worked with SJTS as an implementing partner for STEM Education Program since the year 2021. A pilot project “Engineering Futures – CrEAST” was implemented in 2021 with 4 technical and 1 soft skill course, catering to 40 students from three schools in Kurla West and 10 students with Learning Disabilities (LA). Students learning levels in all 5 courses were observed to have increased by 5 score points. The association continued in FY 2022-23, wherein 7 technical courses including 2 advance courses along with a soft-skill course were implemented catering to 231 students including 24 students with learning disability. 50 % of the students who participated in the advance courses were from the 2021 program. Students exhibited enhanced greater confidence ease in technology usage in advance courses. A few LD



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students displayed at par competence. Overall an average increase of 4 score points were observed.

- D. Based on the experience of the projects implemented in last 2 years SJTS is desirous to extend the program to more number of students in the year 2023-24, by implementing a STEM (Science Technology Engineering Mathematics), basic and advance courses which inducts students from underprivileged backgrounds (preferably girl students) and students with learning disabilities (LD) through experiential learning (Hereinafter collectively referred to as the “Engineering Futures – CrEAST Program” more particularly as described in Annexure A - Proposal hereto. SJTS warrants that the Project falls within the definition and meaning of “CSR activities” as defined under Schedule VII of the Companies Act, 2013, as amended.
- E. The Proposal of SJTS shall incorporate advanced courses in two of the ten technical courses and five additional new technical courses and two additional new non-technical courses with unique feature of Students from Engineering College helping as ‘student instructors’ to guide and mentor the students. List of the advance and additional courses is mentioned in Annexure A- Program Proposal .
- F. SJTS has represented to L&T that it is capable of implementing the Project and submitted to L&T details of the Project to be implemented as detailed in Annexure A and approached L&T seeking financial grant (hereinafter called “Grant” or “Grant Amount”) for the purpose of implementing the Project.
- G. SJTS further represents to L&T that nothing under any law or rules of the land or any orders/notices/notifications or alike issued by any government, authority or judicial or quasi-judicial forum prevents SJTS from receiving grants or monetary aid for undertaking charitable activities for the project. SJTS has approached L&T for the above Program and sought a financial grant of INR 37,01,830.99/- (Rupees Thirty Seven Lakhs One Thousand Eight Hundred and Thirty Nine Nine Paise Only).
- H. Based on the Grant request made by SJTS, as part of L&T’s CSR initiative, after due diligence and verifying the information provided by SJTS, and after considering the fact that the Program would facilitate preparing the participants for 21st century skills & motivate them to take up a career in STEM thus increasing their ability to be creative innovative thinkers and more productive members of society, L&T has agreed to provide the grant of INR 37,01,830.99/- (Rupees Thirty Seven Lakhs and One Thousand Eight Hundred and Thirty



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Ninety Nine Paise Only), to SJTS for implementing Program for the year 2023-24, on the assurance that the Grant Amount shall be utilized in accordance with the provisions of Section 135 of the Companies Act, 2013, as amended. This Agreement lays down the common terms and conditions on which the Project will be based and implemented, thereby to meet the objectives stated herein.

- I. This Agreement provides for the conceptual framework and implementation methodology for the Project and for any change in the number of schools, associated change in the budget, and the duration of the Agreement, the Parties may enter into an addendum to this Agreement at the sole discretion of L&T, based on the review of performance of SJTS.
- J. The Program as defined in this Agreement, shall be completed within the period of 10 months, which shall start on 1st July 2023 and come to an end on 31st March 2024 or any such date that may be mutually agreed in writing by the parties herein. The details of the Project to be implemented in annexed as 'Annexure A' hereto.
- K. The Parties have hereby agreed to enter into this Agreement to record in writing the terms and conditions as set out hereunder for the effective implementation of the Project.

NOW THEREFORE in consideration of the mutual covenants, terms, conditions and understandings set forth in this Agreement, the Parties with the intent to be legally bound, hereby agree as follows:

1. SCOPE OF THE PROJECT

The aim of the project is to inspire young girls (and interested boys) from economically weaker communities and children with learning disabilities to pursue STEM careers through fun engaging curriculum so as to provide them equal employment & livelihood opportunities

1.1 The scope of the project shall include but not limited to the following:

1.1.1 Support the training with 560 secondary students (including 24 students with Learning Disability) in grades 6th to 10th of at least three low-income schools in Kurla region of Mumbai.

1.1.2 Through these courses equip the students with Spatial, digital and analytical skills that enhance both their classroom and out-of-school learning

1.2 Expected outputs is provided in detail and marked as "**Annexure C**" viz. "**Measurable Indicators**", which is annexed hereto.



2. RELEASE OF GRANT AMOUNT

2.1 L&T hereby agrees to release the Grant Amount for the Project over a period of 8 months during the Term (as defined below) and on the terms and conditions contained in this Agreement. The Grant Amount shall be disbursed in the manner described in **Annexure B-2 viz. Grant Disbursement Schedule** hereto. Notwithstanding anything contained herein, Parties agree and acknowledge that disbursement of Grant Amount to SJTS shall be at the sole discretion of L&T.

3. ROLES & RESPONSIBILITIES OF SJTS

3.1. Program related

3.1.1. SJTS shall appoint qualified and competent staff to conduct and implement the Program effectively such as supervisor (Program officers/manager), Program Mentor, Student support, Lab assistant, Support staff and required resource persons to execute the Program and meet the objectives of this Agreement, mentioned herein above. SJTS, agrees that the person so appointed shall be accessible and in communication with L&T at all times. SJTS agrees that any change in the staff structure needs to be communicated to L&T.

3.1.2. SJTS shall share the profile of all resources involved in the Program with L&T.

3.1.3. Document and provide the period Program progress reports as per the agreed schedules.

3.1.4. SJTS will not accept any grant from any other partners during the period of the project supported under this agreement, without approval of L&T.

3.2. Methodology

3.2.1. SJTS will conduct orientation the students to create awareness regarding the courses and enrollment.

3.2.2. Students are offered maximum of 1 basic course (minimum 15 Hours), while the student can enroll for the relevant advance course after completion of basic course.

3.2.3. LD students will be offered one basic technical course (minimum of 15 Hours).



3.2.4. All courses except the advance courses will run in parallel.

3.2.5. SJTS will document the Program progress of courses included in Annexure-A that will evolve during the Program phase.

3.3. **Course Content & documentation:**

3.3.1. SJTS shall follow the course content and schedule for each course as designed by subject matter experts from SJTS

3.3.2. SJTS shall provide teaching learning materials to the students.

3.3.3. SJTS shall document the basic information and records of the program activities in the agreed formats and schedules approved by L&T.

3.3.4. The exclusive content created through financial support of L&T shall not be used for any other Program of SJTS without prior written approval of and due credit to L&T.

3.3.5. All above documents are subject to inspection by L&T.

3.3.6. SJTS shall document good practices, success stories with photographs and media coverage regarding their activities and share the same with L&T. Any media coverage as such shall have due credit to L&T with prior consent from L&T. SJTS shall facilitate collation of case studies, testimonials, pictures, videos from the Program.

3.3.7. SJTS shall submit monthly reports, quarterly review presentations, and completion report at the end of the Project phase/ tenure.

3.4. **Program related Monitoring and Evaluation:**

3.4.1. SJTS shall:

(i) Provide monthly reports, quarterly review presentations to L&T or its representative agency with detail list of plans of activities

(ii) Provide monthly progress report of activities by 6th day of succeeding month.

(iii) Provide quarterly review presentations by 10th of the succeeding month at end of each quarter from starting of the Agreement period.



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(iv) Evaluation of Impact of the program will be done on the parameters mentioned as per the Indicators in Annexure C.

(v) Submit the reporting and monitoring formats to L&T as provided in Annexure E hereto.

3.4.2. On-going Monitoring:

Operational effectiveness, quality and impact of the Program will be gauged at multiple levels by Program Head/Director and Program coordinator. A defined metrics as specified in Annexure E to track progress in a quantifiable manner on a continuous basis will be used.

3.4.3. Data Tracking:

SJTS will track the data of students under the Engineering Futures-CrEAST Project to capture the output indicators. This data will be collected at center level to record the progress of the Program.

3.5. Safety related

3.5.1. SJTS shall ensure wellbeing and safety of children and teachers during engagement of the Program.

3.6. Quality Assurance

3.6.1. **Project** coordinator will ensure the performance of the facilitator and teachers.

3.7. SJTS shall meet the objectives set out in the Annexure A, viz., Project Proposal- 2023-24 hereto. The details of the Project related costs are set out in the Annexure B-1, viz. Project Budget, hereto. L&T shall have right to verify compliance of the same with the assistance of a third party, if it so desires.

3.8. The Project costs has been arrived based on the activities under each of the Project proposal and budgetary estimates are based on prevailing rates of material, manpower for Project activities (hereinafter called "Project Cost"), more specifically mentioned in Annexure B1

3.9. SJTS shall keep the central Corporate CSR team of L&T informed about the progress of the Program.

3.10. The Grant Amount shall be used by SJTS solely for the implementation of the Project.



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SJTS undertakes and represents that the Grant Amount shall not be used for any other purpose. SJTS undertakes that the Grant Amount shall not be used for payment of any outstanding loan or debts, due to any other person or entity. Any such action would be considered as material breach, entitling L&T to terminate the Agreement in terms of Clause 13.2.1.

3.11. SJTS shall maintain separate book of accounts for the said Program for the Grant Amounts received from L&T. SJTS shall maintain such books and financial records in accordance with generally accepted accounting principles. In multiple Projects being executed by SJTS and funded by L&T, SJTS shall maintain separate books of accounts for each Project. The books of accounts shall be made available to L&T for audit purposes, as and when required by L&T. The details regarding the bank where the money is to be transferred including the bank name, account number, IFSC code as provided in Annexure B-2, viz., Grant Disbursement Schedule.

3.12. SJTS shall not do any spending / expenses beyond the final Grant Amount period unless prior written approval is obtained from L&T.

3.13. SJTS shall issue an email receipt for the Grant Amount received by it from L&T.

3.14. It is agreed by Parties herein, that contribution, if any, from the beneficiaries shall be made through bank account only and the said contribution, if any, shall be acknowledged by the recipient vide a proper pre-printed, serially numbered authorized receipt containing the name of SJTS, purpose of the contribution and name of the Project.

3.15. SJTS agrees and represents that:

3.15.1. Prior period items before execution of this Agreement shall not be included in budgets relating to Grant Amount.

3.15.2. Expenditure should be in line with approved activity-based payments and line wise and sub line wise items. The modification (changes in quantity or unit cost) if any in any of the line item should be informed to L & T with justification in writing and changes in the budget can be made only after approval from L & T.

3.15.3. Bank account should be jointly operated by duly constituted representatives of SJTS.



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- 3.15.4. Blank signed cheques should not be maintained.
- 3.15.5. Cash payments are prohibited unless necessary and with written approval from L&T. If any expense, incurred by SJTS or its representatives on emergency basis or is essential for the running of the project, requires cash expenses the same expenses should be within approved limits under the Income Tax Act, 1961 as amended from time to time.
- 3.16. SJTS shall send to L&T, such report in the format as desired by L&T on the utilization of the Grant Amounts and at such periodicity as may be informed by L&T. SJTS understands that the provision of such reports forms a key element of its responsibilities as part of this Agreement, and that non- fulfilment of the same shall be considered as a default and in contravention to the provisions of this Agreement.
- 3.17. SJTS shall submit all necessary and relevant documents demonstrating that the Grant Amount has been utilized as per the Project proposals to the complete satisfaction of L&T and shall submit utilization reports prepared by a Chartered Accountant (“CA”) duly approved by L&T. SJTS shall submit an audited utilization certificate prepared by Chartered Accountant on quarterly basis for the Project, which will demonstrate utilization of the Grant Amount (hereinafter called “Utilization Certificate”). However, L&T shall have the discretion to request for interim Fund Utilization details, at its sole discretion. Notwithstanding the above, L&T shall have the right, to audit or review, books of Accounts Project-related books and records, as it may require and have free access to all such books and records maintained by SJTS for the Project for the purpose of ascertaining the utilization of Grant Amount as per the Project proposal. If the Grant Amount given by L&T is utilised for other Projects, such utilisation should first be consent to prior to usage and should also be reported to L&T.
- 3.18. SJTS shall provide to L&T the Program related publications, data and reports, including internal reports, reports submitted to/by external evaluators (provided the external evaluators consent to it) studies and researches, statistics, and such other information from time to time, including financial information, as L&T or its representatives may require, for its own satisfaction, as well as in order to present the same in suitable formats and templates in its internal and external communication or



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for its audit purposes.

- 3.19. SJTS shall comply with all statutory obligations timely and be solely responsible for obtaining all statutory permissions/licenses/approvals as required for the said purpose.
- 3.20. SJTS shall, if required, carry out such formalities as may be required to obtain suitable tax exemption or deduction status, or other tax benefits that may be available, and, if such benefits do accrue, the same shall be taken into account to calculate the actual costs, and such savings as accrue shall be deployed to create additional services. While L&T may provide advisory support and guidance to SJTS in this regard, the responsibility of obtaining such concessions shall vest with SJTS. In future if there are any new levies or reductions, fresh negotiations will be called for.
- 3.21. SJTS shall ensure that the Grant Amount received from L&T are used by end of 31st March 2024 or by such other last date that may be mutually agreed to in writing by the Parties.
- 3.22. SJTS shall, in case there is any unspent balance from the Grant Amount provided after fulfilment of the said Purpose, or in case of failure to use the Grant Amount or any part thereof by the time provided for, utilize the funds as specified by L&T, for such purpose as may be mutually agreed to in writing by the Parties to fulfil the objectives of the Program. SJTS admits that end utilization of funds should be monitored closely by L&T.
- 3.23. The interest earned on the periodic un-utilized balance of Grant Amount received from L&T shall be utilized towards the objectives of this Program.
- 3.24. There shall be no borrowing or lending from/to the designated account by SJTS.
- 3.25. SJTS shall intimate L&T in writing immediately if their constitutional status changes from 'not for-profit'.
- 3.26. SJTS shall maintain adequate systems to track the usage of the funds contributed by L&T.
- 3.27. SJTS shall carry out statutory audits on time and provide all audit reports (statutory as well as internal) to L&T. SJTS shall also permit an external audit or inspection of its books of accounts by L&T or any third-party auditor as appointed by L&T. SJTS



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shall permit to give access to governance documents and organization level financial documents to the such auditors related to said project. SJTS shall co-operate with such teams during the review; provide access to accounts and records pertaining to the Project whether on computer or in manual form; provide copies of accounts and records; provide oral or written explanations of the accounts and records as may be reasonably required by L&T.

3.28. SJTS shall not involve any third party as sponsor/donor or vendor in the Project for the activities agreed under the Agreement, without reporting such sponsor/donor or vendor to L&T. In case of any involvement with third parties for a Project/Programme funded by L&T, SJTS is required to disclose such Party and the nature of the arrangement with L&T.

3.29. SJTS shall not without express written consent of L&T acknowledge the support received from L&T in any manner and / or in any communications with a third party.

4. DISBURSEMENT OF FUNDS

4.1. The disbursement of the Grant Amount shall be made by L&T as per the disbursement schedule provided in Annexure B-2 of this Agreement.

4.2. The disbursements shall be subject to SJTS complying with the provisions of this Agreement, as may be applicable, and the disbursement procedure stipulated by L&T and the expenditure incurred being in consonance with the details mentioned herein and approved by L&T.

4.3. SJTS shall provide L&T with written notice requesting for release of the Grant Amount for each instalment as per the Activity based Grant Schedule provide in Annexure B-2- Viz Disbursement Schedule

4.4. SJTS shall submit the Grant Payment Request Form to L&T. On perusal of the Grant Payment Request Form and on due completion of necessary checks and recommendations, L&T shall at its sole discretion disburse the Grant Amount in tranche(s) as specified in the disbursement schedule in Annexure B-2. All funds shall be directly deposited into the Bank Account of SJTS as per the details in Annexure B-2.



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SJTS shall be required to provide an audited Fund Utilisation Certificate half-yearly to L&T (As proof of utilization of Funds) prior to seeking any further Grant from L&T. The Fund Utilization Certificate shall be rendered by a practicing-chartered accountant appointed by SJTS and progress of activities will be verified by L&T. However, L&T shall have the discretion to ask for interim Fund Utilization details, if required.

4.5. Disbursement to SJTS shall be made in Indian Rupees (INR) and Funds so disbursed shall be deposited by L&T in the designated bank account of SJTS. The name of the Bank, Bank Account name, Bank Account number, IFSC and address of the Bank shall be as provided in Annexure B-2 hereto.

4.6. L&T reserves the right to demand (with at least 7-10 days' notice) for proof of payment for any item of expenditure incurred by SJTS.

4.7. In the event, implementation of the Project is not as per Project plan provided in **Annexure D** or expressed consent of L&T has not been obtained for changes in implementation plan due to change in field conditions during the course of Project implementation, L&T shall have the right to withhold, reduce or stop the next instalments of Grant Amount or shall have the right to terminate this Agreement until SJTS provides valid justification or takes steps to restore the objectives of implementation to remedy the breach within a period of thirty (30) days from the date of written intimation by SJTS to the entire satisfaction of L&T. If SJTS fails to provide sufficient justification in writing, L&T shall request SJTS to refund immediately the excess Grant Amount received by SJTS

4.8. It is agreed and acknowledged by SJTS that the Project plan provided in ANNEXURE D hereto, has been made taking into cognizance the current COVID-19 pandemic, SJTS will make efforts to ensure that the Project plan is adhered to. In the event the implementation of the Program is not being conducted as per the implementation plan as provided in Annexure D hereto, then L&T shall have the right to withhold, reduce or stop the further tranche of Grant Amount or shall have the right to terminate this Agreement, until SJTS provides valid justification or takes steps to restore the objectives of implementation to remedy the breach within a period of 30 (thirty) days from the date of written intimation by SJTS; to the entire satisfaction of L&T. If SJTS fails to provide sufficient justifications, L&T shall have right to seek immediate refund of the Grant



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Amount from SJTS received in excess of the cost of implementation as determined after an audit of the Program carried out by SJTS or on its behalf.

- 4.9. SJTS shall not use Grant Amount or any part thereof towards any other heads that are not defined or identified within the Project plan. In case any of the Grant Amount is utilised for other Projects run by SJTS, such utilisation should be reported before utilizing the Grant and prior written approval from L&T is required.
- 4.10. SJTS acknowledges that at the end of each year during the Term of this Agreement, the Project is subject to a review by the concerned personnel from the Management of L&T. The continuance of the Grant Amount is subject to the approval of L&T. L&T reserves the right to continue, discontinue or reduce the quantum of the Grant Amount at any time during the Term of this Agreement. The renewal of Grant Amount is also subject to the availability of adequate funds with L&T.

5. GENERAL TERMS AND CONDITIONS

- 5.1. All publicity handouts, banners, boards and the certificates issued to the students/teachers etc. will have names of both the collaborating partners. Provision, approval from L&T for such display material/ certificate shall be mandatory and any publicity/ display / communication material shall be prepared as per the Branding Guideline of L&T.
- 5.2. SJTS shall share the photographs and press cuttings relating to events organized for L&T.
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- 5.3. Any posts by SJTS on social media regarding the Project will have L&T Logo as per the branding guideline of L&T and SJTS will tag the social media handles of L&T.
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- 5.4. Taking into account the ground realities in implementing the Project, Parties hereto agree to review the Project from time to time. If after review, discussion and deliberation, it is found that the Project is not being implemented to achieve objectives as envisaged or is not likely to be implemented within the Project Costs as provided in Annexure B and / or in accordance with the financial plans as per the Project proposal, Parties shall mutually discuss and modify the Project plans and the Project Costs accordingly. Annexures A and B containing the Project plans and Project Costs may be amended by mutual consent of



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the Parties and such amended Annexures be executed by the Project coordinators appointed by the Parties. Provided however if the increase in Project Costs is above prescribed internal limits in case of either Party, the Parties may then amend the Project plans and Project Costs by appropriate documents. Notwithstanding the aforesaid, the Project Costs shall not exceed the Grant Amount specified herein unless the same is agreed by L&T in writing

- 5.5. In the event of failure to come to any conclusion on amendment of Project plans/Project Costs as stated in Clause 4.2 above, L&T shall be entitled to terminate or suspend the said Project and relevant provisions of this Agreement or part thereof. In that event, any portion of this Agreement that is not terminated or suspended shall remain in force and effect and the Parties shall endeavour to complete the on-going activities as per the Project proposals
- 5.6. SJTS shall provide name and telephone number of contact persons to L&T, who would be responsible for the implementation and coordination of the project. SJTS shall also provide details of their website address and email id of the relevant contact persons.

6. REPRESENTATIONS AND WARRANTIES

6.1. SJTS hereby represents and warrants as follows:

- i. That the information given in the Program and any prior or subsequent information or explanation furnished by SJTS to L&T are true, bona fide and accurate in all material respects;
 - ii. That SJTS does not violate and shall at all times abide by all the terms and conditions of this Agreement;
 - iii. That it has and shall maintain the necessary infrastructure and assistance required for implementing the Program;
 - iv. That it will ensure implementation of the Program as per Program plan
- 6.2. L&T and its representatives shall have the right to present the content about the said Program and SJTS to the public in such formats, templates and manner as they deem fit.
- 6.3. SJTS warrants that it shall not represent to any beneficiary or any, other third party that

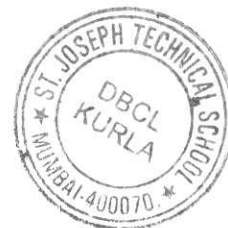


it is acting on behalf of L&T and no one shall in SJTS create or allow the creation of the impression that L&T has any direct or indirect relationship with or liability to the beneficiaries or such other third party. All such communications and contents thereof shall be got approved by L&T prior to its dispatch or release.

- 6.4. SJTS acknowledges that there is no commitment, implicit or otherwise, of continued support from L&T in any form and under any circumstances, beyond the terms of this Agreement. SJTS acknowledges that L&T's liability in any situation will be limited to the amount of Grant Amounts sanctioned for this Program as indicated in Annexure B-1.
- 6.5. SJTS acknowledges and agrees that notwithstanding anything contained herein; L&T shall reserve a right to stop the Grant Amounts; at any time during the Term of this Agreement, without assigning any reason to SJTS.
- 6.6. The Parties represent and warrant that they have full capacity, power and authority to enter into, execute, deliver and perform this Agreement, that such expansion delivery or performance do not violate or conflict with any application to the Parties, any provision in their constitutional documents, any order or judgment of any court or other agency of government applicable to them or any of their assets, or any contractual restriction binding on or affecting them or any of their assets.
- 6.7. The Parties represent and warrant that there is not pending, or, to their knowledge, threatened against them, any action, suit, proceedings at law or in equity or before any court, tribunal, government body, agency or official, or any arbitrator, that is likely to affect the legality, validity or enforceability of this Agreement, or their ability to perform their obligations under this Agreement.
- 6.8. The Parties represent and warrant that all applicable information that is furnished in writing or otherwise, by or on behalf of the Parties, is, as of the date of information, true, accurate and complete in every material respect.

7. Indemnities

- 7.1. SJTS indemnifies and hold harmless L&T, their officers, representatives, directors, nominees and agents, from and against:



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- 7.1.1.any liabilities, losses, claims (including third party claims), actions and damages suffered/incurred by L&T and its affiliates due to the false or incorrect information provided by SJTS to L&T.
- 7.1.2.any and all legal and pecuniary liabilities arising out of any claims relating to misuse or lack of use or delayed use of Grant Amount by SJTS or any other third party, or out of any other such claims that arise due to failure on part of SJTS or any other third party in discharging their responsibilities as envisaged in this Agreement or in any other agreement, express or otherwise, between SJTS and such other third party.
- 7.1.3.any liabilities arising out of error or willful default or negligence or contravention in regard to any of the applicable law, including, but not limited to, submission of statutory forms and other such documents.
- 7.1.4.any and all legal and pecuniary liabilities arising due to non-compliance on part of SJTS, with the terms of this Agreement.
- 7.1.5.any and all liabilities arising due to misrepresentation or breach of warranty or any other term, condition, undertaking by SJTS under this Agreement.
- 7.1.6.any and all losses, liabilities, damages, claims actions, proceedings, costs, expenses, including reasonable attorney's fees that may incur or suffer to the extent arising out of third party notices, claims on account of or in relation to the below:
- a) bodily injury to or death of any personnel of SJTS;
 - b) loss of or damage to SJTS' tangible property;
 - c) infringement, violation or misappropriation of any third- party patent rights, copyrights, trademark, registered designs or other third-party intellectual property rights arising from information developed by the other Party under this Agreement;
 - d) or breach of any applicable laws and regulations in India.
- 7.2. The indemnification obligations of SJTS set forth as above shall survive any expiration or termination of this Agreement.

8. Liability

- 8.1. In no event, whether as a result of breach of contract, tort, strict liability, negligence or otherwise, shall L&T be liable to SJTS for any exemplary damages of third party, loss of contract, loss of use, loss of interest, loss of property, loss of profits, incidental, indirect, consequential, special or punitive damages of any kind.



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8.2. Notwithstanding the foregoing provisions of this Agreement, L&T's aggregate liability for all claims of any kind, whether based on contract, warranty, tort (including negligence), strict liability or otherwise, for all losses or damages arising out of, connected with or resulting from the Agreement, its performance or breach shall not exceed an amount equal to the total grant amount paid under this Agreement.

8.3. L&T shall not be held responsible or liable for any defects, negligence, damages, losses arising from the acts or omissions on the part of contractor appointed under this Agreement.

9. COVENANTS

9.1. During the subsistence of this Program and/or the Agreement, SJTS hereby agrees to:

9.1.1. Promptly notify L&T in writing:

- (i) of any event or circumstance which would, or is likely to, result in any of the representations and warranties made by SJTS hereunder becoming untrue, incorrect or misleading in any manner;
- (ii) of any circumstance or event which would, or is likely to interfere in/prevent/delay the proper implementation of the Program;
- (iii) of any material loss or damage which SJTS may suffer due to any event, circumstances or Force Majeure

9.1.2. Deliver to L&T:

- (i) Project Monitoring/Implementation Reports as agreed between parties shall be submitted by SJTS to L&T demonstrating the status of the Project every 3 month(s);
- (ii) Utilization Certificate from a Chartered Accountant on quarterly basis demonstrating the utilization of Grant Amount by SJTS;
- (iii) Any other document as may be reasonably required by L&T to demonstrate the utilization of the Grant Amount by SJTS to implement the Project as per terms of this Agreement.



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10. GUIDELINES FOR REPORTING OF GRANT AMOUNT UTILIZATION

- 10.1. SJTS agrees and acknowledges that L&T will appoint a third party to monitor and supervise the Program or conduct an impact assessment or social audit for the Program undertaken by SJTS. Any such agency appointed by L&T shall be entitled to exercise all rights of L&T. SJTS agrees that it shall co-operate with such agency in accordance with the terms of this Agreement and shall provide all reports, data, information and access rights that is required by L&T and/ or the agency appointed by L&T. SJTS agrees and understands that appointment of such agency by L&T shall be without prejudice to the rights of L&T and shall not affect the right of L&T to independently enquire and exercise all its rights under this Agreement..
- 10.2. This report should clearly show the progress of the work done by SJTS for the Project on quarterly basis. If L&T finds the progress of the activities unsatisfactory or if there is a divergence from the Project outlined in the Annexures A and B-2 & D, or if L&T feels that the Project is jeopardized, L&T can terminate this Agreement.
- 10.3. SJTS shall conduct all reporting in the specified formats as prescribed by L&T.
- 10.4. L&T would disburse the Grant Amount to SJTS for the implementation of the Project as per **Annexure B-2**. SJTS shall raise a request for next instalment of Grant Amount only after 75% (seventy-five per cent) of the previous instalment of Grant Amount is utilized
- 10.5. SJTS further agrees that:
- a. only actual expenses shall be reported;
 - b. advances shall not be reported as expenses;
 - c. advances shall be separately disclosed;
 - d. advances shall be regularly settled and reported;
 - e. reports shall tally with books of accounts;
 - f. reports shall be submitted within due dates;
 - g. Information with regard to organizational contribution and funds from other sources, wherever applicable, shall be accurately reported; and
 - h. complete set of audited accounts of the organization along with Auditor's report and



schedules shall be submitted to L&T;

11. GRANT AMOUNT CLOSURE

11.1. At the time of closure of the Grant Amounts, SJTS shall: -

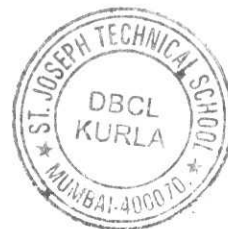
- 11.1.1. Submit an audited Utilization Certificate prepared by Chartered Accountant;
- 11.1.2. Submit plan for unutilized portion of funds to L&T or as mutually agreed with L&T;
- 11.1.3. Liquidate the advances and deposits if any;
- 11.1.4. Discharge all liabilities on the date of closure;
- 11.1.5. Submit details of action taken on the existing assets procured from Grant Amount.
- 11.1.6. In case the Program involves other implementing partners, steps taken with regard to their grant amount closures should be reported to L&T.

12. CONFIRMATIONS

None of the employees/Directors of L&T have any beneficial interest / holding in SJTS organization. There are no common persons on the boards of L&T or SJTS organization. No officer of L&T is related to the trustees of SJTS. No relative of any officer of L&T holds substantial interest in SJTS organization. No suit is pending in any court of law against the trustees / top management of SJTS ' None of the employees of L&T have used any unsolicited methods/ illegal activities for giving Grant Amount for the purpose of this Agreement.

13. TERM AND TERMINATION

- 13.1. This Agreement shall be effective from 1st July 2023 and shall continue to be in force till 31st of March 2024 ("Term"). This Agreement may be renewed for a further Term as may be mutually agreed by the Parties
- 13.2. If SJTS fails, omits or neglects to observe or perform or commits or allows to be committed a breach of any of the terms and conditions of this Agreement on its part to be observed and performed for any reason whatsoever including but not limited to failure on part of SJTS in implementing the project, then L&T shall give written notice to SJTS to rectify such omission within a period of 30 days, failing which L&T shall after expiry of said thirty (30) days, terminate the project / this agreement/part thereof be entitled to initiate appropriate legal proceedings to recover the Grant Amounts



and/or termination of this Agreement and reimburse along with damages and, in the following events.

- 13.2.1. For any material breach committed by SJTS in whole or in part or upon happening of an event of default under this Agreement ((series of non-material breaches when taken together will amount to material breach);
- 13.2.2. For any unsatisfactory performance of the Project by SJTS. Unsatisfactory performance includes but is not limited to un utilization of the Grant Amount for the specified purpose, breach of this Agreement, etc.
- 13.3. Notwithstanding the termination of the Agreement by L&T in terms of Clause 13.2, L&T shall be entitled to initiate appropriate legal proceedings against SJTS to recover the Grant Amount along with damages and expenses without prejudice to any other right or remedy which L&T may have under the law or this Agreement.
- 13.4. Provided, further, that this Agreement may be terminated by L&T at any time for its convenience, without assigning any reason, with or without notice of thirty (30) days to SJTS.
- 13.5. In the event of termination of this Agreement (irrespective of the reason for such termination), the following shall apply:
 - 13.5.1. No further disbursements shall be made by L&T except at its sole discretion.
 - 13.5.2. SJTS shall fulfill its obligations to the extent of the Grant Amount actually spent.
 - 13.5.3. At the discretion of L&T, SJTS shall be reimbursed expenses incurred by it till the end of notice period, only after the approval from L&T which is in accordance with the work completed in line with the quantitative measurable indicators as provided in Annexure C.
 - 13.5.4. SJTS shall not upon such termination or thereafter, provide to any beneficiary or any third party or the public at large, the impression that funding from L&T is continuing or allow such impression to be created.
 - 13.5.5. SJTS shall forthwith return all unutilized Grant to L&T which was already disbursed to SJTS till such termination, after adjustment of all dues and expenses, etc

14. TREATMENT OF UNUTILIZED GRANT AMOUNT

- 14.1. SJTS shall, in case there is any unspent or unutilized balance from the Grant Amount, provided after fulfilment of the said Project or in case of failure to use the Grant



Amount or any part thereof by the time provided for, utilize the Grant Amount as specified by L&T for such purpose as may be mutually agreed to in writing by the Parties to fulfil the objectives of the Project.

15. COMPLIANCES

- 15.1. SJTS shall undertake to comply with all the applicable laws, regulations, compliances or any rules or statutes.
- 15.2. SJTS shall be responsible for strict compliance of all statutory provisions of relevant labour, safety, environmental or pollution laws applicable from time to time in respect of the implementation of the Project. SJTS agrees that, it shall be responsible for fulfilling the requirement of all statutory provisions of relevant enactments, including but not limited to The Code on Wages, 2019, Industrial Disputes Act 1947, Payment of Gratuity Act 1972, Contract Labour (Regulation and Abolition) Act 1970 and all other labour and industrial enactment at its own risk and cost.

Further, SJTS shall at its own expense arrange for all the safety provisions as per the applicable safety codes, regulations and rules and such other Acts as may be applicable. SJTS shall defend, indemnify, release and hold L&T, and its directors, officers, managers, employees, successors and assigns harmless from and against all claims, legal actions, demands, losses, damages, liabilities, costs and expenses of any nature whatsoever, including, all attorneys' fees, arising from any act or omission of SJTS, or for any violation/non-compliance of any of the provisions of any of the applicable laws. Such breach or non-compliance would lead to the immediate termination of this Agreement. SJTS shall maintain all records required to be maintained under statutory enactments and L&T or its authorized representatives shall be entitled to inspect all such records at any time.

16. FORCE MAJEURE

Neither Party shall be responsible for delays, acts or omissions resulting from events beyond its reasonable control (each a "Force Majeure Event") including acts of God, natural calamities, civil unrest, government action, nationwide strikes, pandemic like COVID-19, SARS, etc., or nationwide lockdown imposed by government due to such



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diseases, etc. The Party affected by Force Majeure shall provide the other prompt notice of the Force Majeure Event, and keep the other party advised for the duration of the Force Majeure Event and take all the necessary measures to mitigate the effect of any such Force Majeure condition. In the event the Force Majeure event lasts beyond sixty (60) days, Parties may mutually decide to terminate this agreement. In the event of termination of the Agreement under this clause, the Parties shall mutually discuss and decide as to unutilized Grant Amount already disbursed to SJTS.

17. CONFIDENTIALITY

SJTS shall not during or after the termination of this Agreement disclose to any third party any confidential information arising from this Agreement (other than in the proper performance of their duties hereunder or as may be required by a court or arbitration panel of competent jurisdiction) except with the prior written permission of L&T. For the purposes of this Agreement, "Confidential Information" includes; (i) the terms of this Agreement (including all its Annexures); (ii) All information belonging to L&T; (iii) oral and written information designated by a Party as confidential prior to the other Party obtaining access thereto; and (iv) oral and written information which should reasonably be deemed confidential by the recipient whether or not such information is designated as confidential. Each Party's respective confidential information will remain its sole and exclusive property.

18. INTELLECTUAL PROPERTY RIGHTS

- 18.1. The Parties shall be owner of their respective Intellectual Property Rights.
- 18.2. There is no grant of Intellectual Property Rights.
- 18.3. Nothing in this Agreement shall confer any rights or interest in the Trademarks, Patents, Copyrights and Designs or other Intellectual Property Rights of L&T and its Affiliates on SJTS. "Affiliate" shall mean an entity that directly or indirectly controls, is controlled by, or is under common control with another entity, so long as such control exists. For the purpose of this definition 'control' means beneficial ownership of more than 50% (fifty percent) of voting power or equity in an entity.



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- 18.4. Unless otherwise expressly approved by L&T in writing, SJTS cannot use any Trademark, Design, expression or image of L&T or similar marks or its derivate, elated to it or any of its Intellectual Property Rights.

19. DISPUTE RESOLUTION AND ARBITRATION

- 19.1. Any differences, dispute, controversy, or claim ("Dispute") which may arise between the Parties out of or in relation to or in connection with this Agreement, or the breach, termination, effect, validity, interpretation or application of this Agreement or as to their rights, duties or liabilities hereunder, other than a Dispute for which provisions specifically made in this Agreement, shall be settled by the Parties by mutual negotiations and agreement. If, for any reason, such Dispute cannot be resolved amicably by the Parties, the same shall be settled by way of arbitration, as mentioned below.
- 19.2. Any Dispute arising out of this Agreement or its termination, breach, invalidity, including the interpretation and validity thereof and the respective rights and obligations of the Parties hereof shall be settled in accordance with the Arbitration and Conciliation Act, 1996, as amended from time to time, by a sole arbitrator mutually appointed by Parties. In case the Parties disagree on the appointment of a sole arbitrator, the sole arbitrator shall be appointed as per the provisions of the Arbitration and Conciliation Act, 1996, amended as on date. The seat of arbitration shall be Mumbai, India. The arbitration proceedings shall be conducted in the English language.

20. GOVERNING LAWS AND JURISDICTION

- 20.1. This Agreement shall be governed by and construed in accordance with the laws of India. and the courts of Mumbai shall have exclusive jurisdiction on matters arising therefrom.

21. MISCELLANEOUS

- 21.1. This Agreement, together with all the Annexures and any addenda, if any, is the entire Agreement and expresses the complete, exclusive and final understanding of the Parties with regard to the subject matter herein



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- 21.2. This Agreement is on a principal-to-principal basis between the Parties hereto. Nothing contained in this Agreement shall be construed or deemed to create any association, partnership or joint venture or employer-employee relationship or principal-agent relationship in any manner whatsoever between the Parties.
- 21.3. This Agreement represents the current intentions of the Parties and is subject to any changes that may take place in the laws relating to the conduct of financial services or the activities of not-for-profit organizations in India, and is also subject to all laws, rules and regulations presently applicable, and to obtaining all licenses, permissions, consents, approvals and execution of such Agreement as may be necessary.
- 21.4. Any provision of this Agreement may be amended or waived if, and only if, such amendment or waiver is evidenced by a written instrument signed by duly authorized representatives of the Parties, or, in the case of a waiver, by the Party against whom the waiver is to be effective.
- 21.5. SJTS will not assign, delegate or otherwise transfer any of their rights or obligations under this Agreement to any person in any manner without the prior written consent of L&T.
- 21.6. In connection with this Agreement, as well as all transactions contemplated by this Agreement, each Party agrees to execute and deliver such additional documents and to perform such additional actions as may be necessary, appropriate and reasonably requested, to carry out or evidence the transactions contemplated hereby.
- 21.7. The invalidity or unenforceability of any provisions of this Agreement in any jurisdiction shall not affect the validity, legality or enforceability or the remainder of this Agreement in such jurisdiction or the validity, legality or enforceability of this Agreement, including any such provision, in any other jurisdiction, it being intended that all rights and obligations of the Parties hereunder shall be enforceable to the fullest extent permitted by law.
- 21.8. This Agreement shall be binding upon and shall ensure for the benefit of L&T and SJTS successors in title and assigns.
- 21.9. Any notice by one Party to the other Party shall be in writing and posted, delivered personally with proper acknowledgment or sent by courier, registered, certified mail, or facsimile transmission.



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- 21.10. Time shall be the essence of this Agreement (except in case of Force Majeure events) in so far as it relates to the observance or performance by SJTS of all or any of its obligations hereunder.
- 21.11. This Agreement with its annexures represents the entire agreement in respect of the Grant Amount between the parties and shall be capable of variation in writing by an amendment ("Amendment") signed by representatives of SJTS and L&T.
- 21.12. This Agreement shall be executed in two counterparts, each of which shall be deemed as original, but all of which together shall constitute one and the same instrument.

22. CONFLICT OF INTEREST

- 22.1. Neither SJTS nor its personnel while in service, shall engage in any personal business or professional activities, during the course of this Agreement, which conflict with or could potentially conflict with the objective of the Program.
- 22.2. SJTS shall notify L&T immediately of any such activities or circumstances, which give rise to or could potentially give rise to a conflict with the object of the Program and shall take immediate remedial steps necessary to ensure that the Program is completed as per the agreed terms.
- 22.3. In the event where, even after taking remedial measures by SJTS the object of the Program cannot be restored, then L&T shall have the right to terminate the Agreement, by giving fifteen (15) days written notice to SJTS. On termination of the Agreement, L&T shall, cover the expenses already incurred for the Program by SJTS as per the agreed timelines and the approved budget for the Program.

23. PREVENTION OF CORRUPTION

SJTS hereby represents, warrants and covenants to L&T that:

- 23.1. In the performance of this Agreement SJTS and their shareholders, affiliates, officers, directors and employees, agents or representatives, if any, will comply strictly with all applicable anti-corruption laws (including US Foreign Corrupt Practices Act);
- 23.2. Neither SJTS nor its shareholders, affiliates, officers, directors, employees, agents or representatives, if any, in connection with the implementation for L&T, has taken or will take any action in furtherance of an offer, payment, promise to pay, or authorization of the payment or giving of anything of value, either directly or indirectly, to any person



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while knowing that all or some portion of the money or value will be offered, given or promised to anyone to improperly influence official action, to obtain or retain business or otherwise to secure any improper advantage;

- 23.3. SJTS shall notify L&T immediately if at any time the foregoing representations and warranties shall not be true and correct. Upon receipt of such notification, L&T shall have the right to either unilaterally terminate this Agreement or require SJTS to amend, at L&T's sole discretion, this Agreement to avoid any violation or potential violation of any applicable laws, rules and regulations.

IN WITNESS THEREOF THE PARTIES IN THEIR FREE VOLITION AND FULL UNDERSTANDING WITH THE INTENT TO LEGALLY BIND THEMSELVES TO THIS Agreement EXECUTE THIS Agreement THROUGH THEIR DULY AUTHORIZED PERSONS

IN WITNESS WHEREOF, the undersigned, being duly authorized thereto, have signed the present Agreement.

EXECUTED by:

Larsen & Toubro Limited

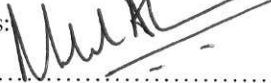
Signature of authorized officer

Name: Mr. Anup Sahay

Designation: Head-Corp Strategy & Special Initiatives

Signature: 

Date: ... 01.07.2023 ...

Witness: 
1.....

Ms. Mabel Abraham
Joint General Manager

EXECUTED by:

St. Joseph's Technical School

Signature of authorized officer

Name: Fr. McEnroe Lopes

Designation: Trustee & Administrator

Signature: 

Date: ... 01.07.2023 ...

Witness: 
1.....

Name: Dr. Sudhakar Mande
Designation: Principal, DBIT



Annexure A - Proposal

Proposed Project: Engineering Futures - Center for Creative Explorations & Advanced Skilling in Technology [CrEAST] for STEM

I. PROJECT LONG TERM MISSION:

Don Bosco Institute of Technology (DBIT), established by the Salesians of Don Bosco in 2001, is an AICTE recognized, Mumbai University affiliated and NAAC accredited institute, situated in Kurla. DBIT is working towards development of an inclusive center for Creative Exploration and Advanced Skilling in Technology (CrEAST) within the premises of Don Bosco Center of Learning to induct students (preferably girls) from underprivileged backgrounds and students with learning disabilities (LD) in the field of Science, Technology, Engineering & Mathematics (STEM) through experiential learning. The center envisages to impart this training through a structured curriculum and appropriate pedagogies to provide hands-on training and practical skills using Lego Robotic Kits, Electronic & Mechanical workbenches, Additive manufacturing using 3D printers, Fast prototyping and Machining, computer-based modeling and web technologies. Essentially the program also includes mandatory training in Soft Skills for all the participants. The purpose of the program is to make the participants future ready & motivate them to take up a career in STEM thus increasing their ability to be creative innovative thinkers and more productive members of society.

The Center for Creative Explorations & Advanced Skilling in Technology (CrEAST):

IMPLEMENTATION PLAN:

Efforts towards development of CrEAST began in the year 2021 amidst the Covid 19 pandemic with a pilot project, for 50 students with financial sponsorship from L&T under the Corporate Social Responsibility. The 50 students coming from four different schools were offered training in atleast two of the technical courses and a mandatory soft-skill course. The students underwent a thorough evaluation at three levels; Baseline evaluation to assess their pre-requisite knowledge, Intermediate evaluation to assess their understanding and the final evaluation to assess application knowledge or skillsets developed which aids measurement of effectiveness of the program. In 2022, the positive feedback of the participants in 2021, encouraged the team to float seven technical courses including two advance courses along with a soft-skill course catering to 231 students including 24 students with learning disability, from five nearby Kurla West schools.



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This year we are proposing to reach out to 560 students from 8 schools by offering 10 technical courses, 03 non-technical courses, 02 advance courses and one technical course for LD children.

Course Details:

Course Code	Courses	Duration	No. of Sessions	Frequency per week	Frequency per week	Duration for a year	No. of Students
C1	mapMakr - to create their own thematic printable and interactive maps using QGIS	20	10 of 2 Hrs	Once	Once	20	20
C2	webBuildr - to host website/ blog of their own on free hosting sites	15	10 of 1.5 Hrs	Once	Once	15	25
C3	natureSense- Environmental Sensing & Monitoring Application using sensors and controllers.	18	12 of 1.5 Hrs	Once	Once	18	20
C4	meraApp - to make a mobile application using Scatch & MIT App inventor	15	10 of 1.5 Hrs	Once	Twice	30	50
C5	make3D-3D printing	40	27 of 1.5 Hrs	Once	Once	40	25
C6	Move the Turtle – Python programming	30	20 of 1.5 Hrs	Once	Twice	60	50
C7	Let's-C-It – C programming	18	12 of 1.5 Hrs	Once	Once	18	25
C8	Let's-Bot-It (Beginners) - Robotics	24	16 of 1.5 Hrs	Once	Twice	48	50
C9	Lets-Bot-It (Beginners + Intermediate) Robotics	40	27 of 1.5 Hrs	Once	Once	40	50
C10	meriUrja – To build a solar powered gadgets	15	10 of 1.5 Hrs	Once	Once	15	20
C-LD 2	make3D for LD -3D printing	20	10 of 2 Hrs	Once	Once	20	25
C-NT 1	Soft Skill	12	8 of 1.5 Hrs	Once	Once	12	100
C-NT 2	Innovation & Design Thinking	20	10 of 2 Hrs	Once	Twice	40	50
C-NT 3	Leadership & Team Building – to make an effective team member and team leader	15	10 of 1.5 Hrs	Once	Twice	30	100
C2_Adv	Adv_webBuildr – Advanced course of C2	25	12 of 2 Hrs	Once	Once	25	25
C3_Adv	build3D – Advanced course of C5	30	20 of 1.5 Hrs	Once	Once	30	25
TOTAL						461	560



Each course is an independent module. Students who exhibit adequate proficiency in Level 1 courses of Course 1 and Course 5 will be taken to the Advanced Level courses. Further, the students will be mentored so as to sustain their curiosity and interest in the STEM courses.

Eligibility Criteria for Enrolment:

- Students of class 6 to Class 10 can enrol for the courses.
- Girl students will be preferred.
- A total of 560 students will be trained.

Certification:

Upon successful completion of the program and securing a minimum average of 40% in the continuous assessments tests, the student will be awarded a certificate.

- Students are offered maximum of 1 basic course (minimum 15 Hours), while the student can enrol for the relevant advance course after completion of basic course.
- LD students will be offered one basic technical course (minimum of 15 Hours).
- All courses except the advance courses will run in parallel.

Resource Persons:

The resource persons will be the teaching faculty and students of DBIT and experts for special sessions and other volunteers.

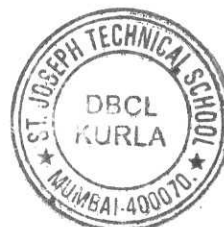
Criteria for Choosing the Schools:

- The school should be in 1 Km and/or 15 minutes walkable distance from DBIT
- The schools should be catering to children from low income families.
- The medium of instruction can be English along with regional language.

COURSE I:

BUILD YOUR MAP - mapMakr

Spatial thinking allows students to comprehend and analyze phenomena related to the places and spaces around them—and at scales from what they can touch and see in a room or their neighborhood to a world map or globe. It is one of the most important skills that students can develop as they learn geography, Earth, and environmental sciences. It also helps to enhance their language skills as they collaborate and communicate about spatial relationships. Researchers have



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proved that children who develop robust spatial thinking skills, will be at an advantage in our increasingly global and technological society.

In this module QGIS, an open source Geographical Information System software, is used to create, edit, visualize, and analyze geospatial information. Students can create their own maps, analyze the problems and provide solutions using maps.

Learning Objectives:

- To enable students to use geographical data collection tools
- To understand and analyze geospatial data for solving societal problems
- To communicate results using the printable maps on paper

Learning Outcomes:

- Students will be able to create the spatial data using mobile phones
- Students will be able to create, view, edit and analyze the geospatial data using QGIS
- Students will be able to create and print the maps with labels, legends

COURSE II:

BUILD YOUR WEBSITE - webBuildr

Today, the Internet or the World Wide Web is one of the most significant technologies. The Internet exists in every walk of our lives, be it education, entertainment, e-commerce, gaming, or as a mere search engine. As the world becomes more and more globalized, becoming skilled in the field of this technology is a requirement for success in the increasingly-competitive workforce. Mastering the Internet is perhaps one of the most essential skills that tech savvy students must have. Without this knowledge base, learning other, more challenging topics will be very difficult. There are a number of ways in which students can be taught more about the uses and purpose of the Internet. One of the most common methods involves teaching students how to design their own webpage, or a group webpage for a specific class. This educational activity is not only guaranteed to provide children with the basic skills necessary to thrive in more advanced coursework, but can also be a valuable skill towards their higher education or professional employment.

Wordpress, an open-source content management system, will be used by students to design their own blog or any informational website. They will also be learning how to connect it to google analytics and assess the performance of the website.



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Objectives:

- To learn design and development of website / blogs using wordpress
- To learn to use different themes for the blog
- To understand how to measure the performance of the website

Outcomes:

- Students will be able to design and build blogs and websites using wordpress
- Students can install various themes and can manage the wordpress blog
- Students can use google analytics to assess the performance of the website.

COURSE III:**Basic Electronics & Sensors - natureSense**

“The ability to get results in the real world - not a computer screen - is what distinguishes electronics projects from other learn-to-code activities. When it happens, the effect is almost magical.”

Sensors are electronic subsystems used to detect & measure physical parameters. Sensors that measure environmental parameters help us to get a better idea of the nature around us. Sensors are always integrated to electronic boards that help us to interpret and analyze the obtained data. Learning about sensors can help students get fascinated by the environment around us and also make them an aware citizenry to global changes affecting our landscape.

This course will include inputs, outputs and sensors on the board so as to make it really easy to plug them in. This removes a lot of the complexity of soldering or working with a tangle of wires on a breadboard. The focus is much more on what the student can do with the device.

Objectives:

- To learn about the different Environmental Sensors & their use cases
- To learn about the integration of sensors to electronic boards
- To learn about the analytics used to decode the data obtained from the sensors

Outcomes:

- Students will be able to learn the different environmental sensors related to air & water quality, physical parameters etc.



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- Students will be able to learn the basic integration of sensors to electronic printed circuit boards along with the power & wireless communication modules
- Students will be able to learn the data analysis & dashboard tools used to display different sensor data on a public domain

COURSE IV

Mobile App Development - meraApp

Mobile applications are now the default means of accessing various features of a smartphone and also to communicate with different entities and organizations. A fun & activity based learning of creating applications that help to better understand the different features of the mobile phone will remove the complex technology barriers that are involved in developing mobile applications.

This course will help students learn how to express themselves, develop structural thinking, and strengthen their confidence. They shall acquire a new set of skills that will help them shift from just consuming information to becoming digital creators.

Objectives:

- To learn about different tools that are involved in developing a mobile application
- To develop mobile applications that talk to the different sensors & actuators on board a smartphone
- To develop mobile applications that help to present an idea and communicate with the external world

Outcomes:

-
- Students will be able to learn the block based approach used to develop mobile applications
 - Students will be able to learn about the different UI blocks required to access onboard sensors of a mobile phone and learn to put together a mobile application that connects to all.
 - Students will be able to develop mobile application for specific use cases which communicate with other entities and stream live data to a mobile dashboard
-

COURSE V

3D Printing – make3D

In recent years, 3D printing has developed significantly and can now perform crucial roles in many applications. The most common applications can be in manufacturing, medicine, architecture, custom art and design, and can vary from fully functional to purely aesthetic applications. Designers



use 3D printers to quickly create product models and prototypes, but they're increasingly being used to make final products, as well. Among the items made with 3D printers are shoe designs, furniture, wax castings for making jewelry, tools, tripods, gift and novelty items, and toys, etc..

This course will help students learn creating 2D & 3D designs for different purposes using Solid-works software which allow them to handle any basic design software. Students will be in position to print 3D models using FDM technology 3D printers.

Objectives:

- To learn different tools involved in Solid works & Zbrush software.
- To create 2D & 3D models of different components & sculpture.
- To understand working of FDM technology printers.

Outcomes:

- Students will be able to create different 3D models using Solid works
- Students will be able to create different simple 3D sculptures using Z-brush software
- Students will be able to print on FDM 3D printer.

COURSE VI

PYTHON PROGRAMMING – Move The Turtle

Computer Programming helps students to develop problem solving skills, logic and critical thinking skills. This course will introduce python programming using Turtle Library using which students can create artwork and games using og python programs.

The course will excite students to explore new technologies since it will engage student interest in programming in a fun way. The skills and knowledge they learn will provide them a strong foundation for future learning.

Objectives

- To create fun learning to excite young programmers
- To ignite an interest in the programming
- To illustrate programming in meaning way

Outcomes

- Students will be able to develop programs using python
- Students will be able to write program using turtle package to draw various shapes
- Students will be able write python programs for building interactive graphical program using turtle package



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COURSE VII

BEGINNERS LEVEL ROBOTICS - Let's – C – It

In today's world, problem solving, automation or communication is done almost entirely by computers- either in the foreground or in the background. But a computer can neither think or make decisions on its own and so it cannot independently analyse any given data and find a solution on its own. To do this, a computer needs a program- a set of instructions arranged in a logically related sequence, that directs it in performing a task that eventually is meant to solve a problem. The process of writing the instructions is called programming and C is one among a few programming languages widely used. As computers are incapable of thinking. It is imperative for the person writing the program (code) to understand the problem clearly and code it. Otherwise an incorrect program would be written that would deliver results that cannot be used or if used unknowingly would result in serious consequences.

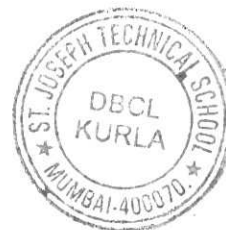
This course is intended to trigger the analytical abilities of understanding a practical or real-life problem presented in the form of a problem statement and develop a perspective towards problem solving. The process will enable their ability to comprehend a situation, analyse the problem, design its solution and successfully implement it through C programming.

Learning Objectives:

- To learn problem solving skills in the programming context.
- To learn the approaches to programming methods and the basic concepts of structured programming.
- To learn to write practically meaningful C programs using the concepts learnt.

Learning Outcomes:

- Students will be able to break down a given problem into smaller, manageable steps, improving their algorithmic thinking skills and express the logical steps of the solution through algorithms and flowcharts.
- Students will be able to grasp the concepts of data types, variables and operators and their and their practical use in C programs along with expressions and formatted input output functions.
- Students will be able to develop the ability to think critically and solve problems creatively by designing and implementing their own C programs.



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COURSE VIII

BEGINNERS LEVEL ROBOTICS - Let's – Bot – It

Robotics is an important field of study, as it introduces students to key concepts in science, technology, engineering, and math (STEM) in a fun and interesting way. Learning about robotics helps students develop problem-solving and critical thinking skills, as well as practical experience with programming and engineering. In addition, students can build important life skills such as perseverance, resilience, and leadership.

In this course, we focus on the basics of Robotics through different sensors, motors and logic based programming by building and programming their own robots. Students will make their robot and program it to move around and perform different task like line tracking, obstacle detection etc. They will also build many robots like Ball Sorter, Fan with Regulator, Mini Golf, Container Size Scanner etc. This program will culminate with a competition where students will have to compete with each other by building and programming the Robot to perform a specific task.

Learning Objectives:

- Introduces students to the basics of robotics through different sensors, motors and logic based programming by building and programming their own robots.
- Designed to provide opportunities to teach and reinforce key classroom concepts in science, math, technology, and engineering (STEM).

Learning Outcome:

- Learn about specialized sensors like light, touch, sound, ultrasonic and their various applications.
- Control speed and power using motors.
- Using icon based programming tools to understand logical flow and decision making with the help of sensors and programming tools.
- Participants would be fully involved in conceptualizing & constructing their own robots. Brainstorm with team mates to find solutions and generate ideas, choose one solution, then build, test and evaluate



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COURSE IX:

BEGINNERS' & INTERMEDIATE LEVEL ROBOTICS - Let's – Bot – It

Learn Robotics and build your own competition Robot; Robotics is an important field of study in schools, as it introduces students to key concepts in science, technology, engineering, and math (STEM) in a fun and interesting way. Learning about robotics helps students develop problem-solving and critical thinking skills, as well as practical experience with programming and engineering. In addition, students can build important life skills such as perseverance, resilience, and leadership. Robotics competitions can also help build teamwork and communication skills, as students work together to design and build robots that can perform specific tasks. Ultimately, robotics can inspire students to pursue careers in STEM fields and prepare them for the challenges of the 21st century.

This course aims to establish a foundation in robotics through a competition-based approach. Students will learn through hands-on sessions held in person. The program will culminate in a robotics challenge, where teams of five will participate and apply the skills they learned in the program.

Learning Objectives:

- To develop an understanding of the basic robotics components and their subsystems
- To comprehend the concept of Strength, Stability, and Balance with respect to drivetrains and chassis, measuring tools and equipment, and safety.
- To understand concepts of Electrical quantities like current, voltage, and resistance.
- To understand working of a microcontroller (Arduino), programming environment – Arduino IDE.
- To learn to use Tinkercad
- To be able to apply programming concepts such as syntaxes, variables, and loop.
- To be able to read sensors, actuate motors and integrate various robotics systems together

Learning Outcome:

- Problem solving and realization that one problem can be solved in variety of ways.
- Resilience and understanding that past problems help you deal with similar problems in the present and makes you a better and efficient problem solver.



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- Designing and building the robot as per the objectives of the competition

COURSE X

meriUrja

The sun is a tremendous emitter of energy. Most of the energy is in the form of light and heat, which can be collected and used for generating electricity, as well as for heating, cooling and lighting building.

The course will help students learn about solar-powered gadgets to promote environmental awareness, sustainability education, technological literacy, problem-solving skills, and practical experience. It equips them with knowledge and skills that will be valuable in a future that increasingly relies on renewable energy sources.

Learning Objectives:

- To understand that Solar power is a sustainable and clean energy source and help foster a sense of environmental consciousness from an early age.
- To grasp the concept of energy independence and the potential to harness renewable energy.
- To apply the concepts learnt to understand the process of how do they work.
- To know how to use Photovoltaics to put together circuits to make a solar project.

Learning Outcome:

- To understand the concept of sustainability and the importance of utilizing renewable resources.
- To learn about the importance of renewable energy sources in reducing carbon emissions and mitigating climate change.
- To understand how different components work together to convert solar energy to electrical energy.
- To practical experience helps them understand the underlying principles of solar energy and how it can be applied in various real-life situations.

COURSE NON-TECHNICAL I

Soft-Skill

Soft Skills play a very important role in acquiring and maintaining healthy relationships in professional as well as personal life. In this course the students will learn the importance of soft



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skills. The course will provide a platform to the students to develop soft skills required for personality development. The students will understand the difference between soft skills and hard skillsets. The course has a series of activity based sessions where in students will participate in public speech, role play and presentations.

This course will help the students to develop public speaking skills with correct use of language. The course also enhances the confidence of students in terms of communication and presentation skills.

Objectives:

- To develop an alert awareness regarding use of correct grammar in communication
- To equip participants with the skills required for public speaking
- To equip the learners with strategies to improve their communication skills

Outcomes:

- Students will be will be able to engage in discussion with one or more people in a variety of different situations or topics.
- Students will be able to present topics effectively
- Students will be able to deliver speech with confidence and clarity
- Students will be able to use body language effectively while participating in public speaking events.

COURSE NON-TECHNICAL II:

Innovation Through Design: Think, Make, Break, Repeat

Innovation means using new technology and using new ways of thinking to add value to an existing idea or product and to make substantial changes in society. For an idea to be innovative, it must also be useful. Creative ideas don't always lead to innovations because they don't necessarily produce viable solutions to problems.

In today's fast changing world the problems are quite different than the traditional problems and to solve them an innovative approach has become need of the hour. The course will help inculcate the innovative thinking among students at a very young age. By understanding the process of innovation it will encourage students to explore, and use various tools to uncover something new. Innovation involves a different way of looking at problems and its possible solutions. This course will help students to identify the problem and develop a perspective towards problem solving. During this



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process the student will develop confidence, communications skills, networking skills, team work etc.

Learning Objectives:

- To enable students to express their thoughts and ideas by drawing and creating prototypes or models using different tools.
- To identify a problem by answering 5 W and 1 H method.
- To develop perspective towards problem solving.
- To develop innovative thinking and encourage creativity among students.
- To inculcate out of box thinking.

Learning Outcomes:

- Students will be able to express their thoughts and ideas through different means of communication.
- Students will be able to identify the different stakeholders related to a problem.
- Students will be able to find the controlling factors contributing towards the problem.
- Students will be able to find the different areas of improvement and its possible solutions.

COURSE NON-TECHNICAL III:

Leadership and Task Management

Leadership is not about a title or a designation. It's about impact, influence and inspiration. Leadership is the potential to influence behaviour of others. Leaders are required to develop future visions and to motivate who want to achieve the visions. The main aim of this program is to develop the personality, leadership skills and team building skills of each student and to develop a new relationship of caring and sharing amongst the students.

School provides structure and routine to the lives of students. Expectations for behaviour and academic performance are known and familiar. For most students school isn't just about academics, it is also about social interactions. Through their interactions with teachers and other school personnel young people learn to interact with non-family authority figures. In the hallways and classrooms of their school, young people are exposed to a variety of different cultures, perspectives and ways of living that may be different than their own. Extracurricular activities will also help students to develop their overall personality, leadership skills and team (task Management skills).



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Learning Objectives:

Self Awareness

- Know your self
- To take initiative in self Development process
- Confidence building and Motivation
- SWOT analysis

To Become Active Leader for Self and Team

- Leadership Power
- Leadership Styles
- Leadership in Academics

Effective communication

- Flow of Communication
- Active Listening skills
- Barriers of Communication

Team (Task) management and Group Dynamics

- Group Dynamics and Importance of team work
- Team Interactions in group
- Decision Taking in team
- Team Building
- How to build a good team.

Innovative thinking

- Concept of innovation
- Style and performance of innovation
- Developing thinking abilities
- Innovation and progress

Problem Solving and concentration

- Problem tree
- Concentration and achievement
- Working towards solution
- Use of available resources/resources mapping

Learning outcome:



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- The students will become responsible in dealing with various personal issues (like Motivation, confidence building, Emotional, innovative thinking, spiritual development, self-commitment, Leadership skills etc.), facing their lives and also become sensitive to others problem.
- There will be a change of behaviour and attitude among the students once they attend this program.
- This program will help in further developing the personality of the students.

COURSE No.: C2_Adv

ADAVANCE COURSE ON BUILD YOUR WEBSITE – Adv_webBuildr

The web platform is so vast that there are numerous web frameworks for developing websites. But the most important and the untold truth is that all those frameworks when going live, use HTML as their front-end and CSS as their design platform. We will be focusing on building websites, especially on HTML5 & CSS3. I have made this course in such a way that you can learn the easiest way possible. HTML5 and CSS3 go hand in hand for developing flexible, attractively and user-friendly websites. HTML (Hyper Text Markup Language) is used to show content on the page where as CSS3 is used for presenting the page. HTML5 describes the structure of a Website semantically along with presentation cues, making it a mark-up language, rather than a programming language. HTML5 allows images and objects to be embedded and can be used to create interactive forms.

Objectives:

- To learn all the fundamentals of coding a complete website from scratch.
- To learn all the tags of HTML5 & use them in the website development.
- To learn all the properties of CSS3 & use them in the website development.

Outcomes:

- Students will be able to design and build custom websites using HTML5 & CSS3.
- Students will be able to create a functional website from scratch with all the pages such as the About Page, Services Page, Products page & Contact page too.

COURSE No.: C5_Adv

ADAVANCE COURSE ON MODELING FOR CNC - Build3D



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Advanced course titled Build3D is designed to explore engraving technology along with CNC machining. A career as a CNC machinist can be exciting, and skilled machinists are in demand worldwide, which can open the door to a variety of opportunities. This course will help in igniting the desire of being skilled machine operator to those who have fascination of making things by themselves.

The course is designed to explore engraving technology along with CNC machining. A career as a CNC machinist can be exciting, and skilled machinists are in demand worldwide, which can open the door to a variety of opportunities. This course will help in igniting the desire of being skilled machine operator to those who have fascination of making things by themselves.

3D modeling adds a third dimension to the part. This means that 3D models contain more information than 2D models. They represent the finished model as it will look in real life. 3D models can contain a wide range of information types and can be used for grading, site layout and other purposes. This same 3D model is used to generate code for CNC machining. This code is inserted in CNC machine and the part is manufactured. This whole process will be introduced to the students.

Learning Objectives:

- To bring awareness about utility of 2D/3D modeling software in CNC manufacturing
- To introduce engraving laser technologies
- To know about the technologies that help to make visualized 3D objects
- To demonstrate basic working of CNC milling machine.

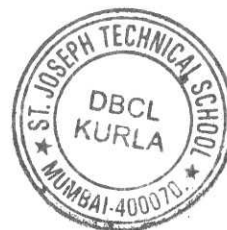
Learning Outcomes:

Students will be able to

- Use Fusion 360 software to learn 2D sketching commands
 - Read the dimensions of the objects used in 2D sketching
 - Create constrained 2D sketches
 - Use Fusion 360 - 3D Modeling commands
 - Create 3D models that can be machined using CNC milling machine
-

ENGAGEMENT WITH THE COMMUNITY:

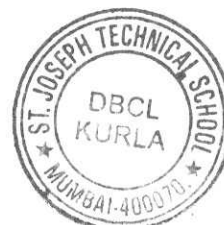
Don Bosco Institute of Technology (DBIT) established in 2001 by the Salesians of Don Bosco to provide high quality technical education to with a strong focus of undergraduate research and skill development. The Salesians have a strong network of over 300 technical institutes providing skill



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training to the poor and under-privileged children across India. It is based on the philosophy of Don Bosco that offers student centered, friendly and holistic learning environment that transforms individuals into socially conscious citizens. Don Bosco Way believes in engaging with the underprivileged communities in imparting relevant skills and knowledge. Over the past 18 years, DBIT is very closely involved in several social projects; from teaching the children in the nearby shanties of Kurla to providing small technological solutions to problems of the tribal population of Walvanda. Every year the students and faculty spend considerable time with the tribes of Jawahar Taluka, to understand their life, culture and struggles. A few are enumerated below:

ACTIVITY CHART				
S.No.	Project Title	Beneficiary	Duration	Description
1.	DBIT's annual intercollegiate technical festival "Colosseum"	Students of nearby low income schools	2 Days Every year	Students are invited to participate in the events to create curiosity and interest in technology
2.	UDAAN	Utkal High School Students from class 6-10	2015 to till date	Sports training in Don Bosco grounds by DBIT student volunteers, Special classes for Maths, Science, English & Career guidance
3.	IEEE WIE One Week Technical Outreach Program	Utkal English High School & Holy Cross School.	1 st to 6 th Aug 2016	To create technical awareness in underprivileged children in the age group of 14 to 16 years. Series of hands-on workshops were conducted such as Photoshop and Animation Workshop, PC Assembly, Communication Skills, Talk on Nutrition, Grooming, Hygiene, Basics of Electrical and Electronics Engineering using simple Experiments, Automobile Workshop, Robotics Workshop, Introduction to Alternate Energy Resources & Energy Conservation, visit to Solar Setup, Visit to Biogas Setup, Auto Body Painting & Air-conditioning, Plumbing & Design Workshop
4.	IEEE HAC Funded "Comprehensive Development Plan of Tribal Community of Walvanda" @18 Lakhs	Tribal villages of Walvanda and Phanaspada.	June 2017 to Jan 2018	Installation of a cellular repeater in collaboration with Vodafone India Pvt. Ltd, to provide basic connectivity for the tribal people and community chargers to charge 10 mobile phones, 1 laptop & 1 projector.
5.	IEEE HAC Events Funded, "Inculcating Healthy & Sustainable Menstrual Hygiene Practices Among The Tribal Women Of Walvanda" @3.5Lakhs	Tribal villages of Walvanda and Jawahar	June 2018 to Dec 2018	To creating awareness on menstrual hygiene among the tribal girls and women through talks, street plays, & expert sessions. Outcome of the program: Installation of a sanitary napkin making setup which is currently being run by the women under the supervision of Gokhale Education Society's Arts, Commerce & Science College, Jawhar.
6.	IEEE Robotics & Automation Society Funded "Six Day	St. Joseph's ITI, Kurla West, Mumbai.	Dec 2019	Skill development program on robotics and automation.



Workshop on Robotics & Automation" @1.45Lakhs			
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FUNDING:

a. FUNDING REQUEST UNDER CSR FROM L&T:

ITEM / Particulars	Quantity	Per Unit Cost	AMOUNT(Rs.)
Tabletop CNC Milling Machine	1	3,00,000.00	3,00,000.00
Electronic Components & Equipments	1	1,00,000.00	1,00,000.00
Beginners's Robotics KIts	10	18,000.00	1,80,000.00
Intermediate Robotics Kits	50	5,760.00	2,88,000.00
Components for Solar Study Kits	22	5,000.00	1,10,000.00
Lego sets for Innovationext Course			0.00
a) Lego sets	5	9,000.00	45,000.00
b) Lego sets specific to automobile	8	2,000.00	16,000.00
c) Router	1	20,000.00	20,000.00
Leadership & Team Work	10	1,000.00	10,000.00
Material			
3D Printing Material	1	25,000.00	25,000.00
CNC milling material	1	25,000.00	25,000.00
Material for Innovationext Course	1	7,500.00	7,500.00
Robotics Kits	1	3750	3,750.00
Leadership & Team Work	100	125	12,500.00
Online Cloud Platform Subscription for a year	1	140000	1,40,000.00
Remuneration: *No. of resource persons may vary			
Program Mentor	1	20,000.00	20,000.00
Program coordination	1	60,000.00	60,000.00
Faculty R&D (Qty implies No. of hours)	461	1,211.56	5,58,529.16
Faculty Delivery (Qty implies No. of hours)	461	1,158.00	5,33,838.00
Student Delivery (Qty implies No. of hours)	461	537.53	2,47,801.33
Student Support (Qty implies No. of hours)	461	400	1,84,400.00
Lab Assistants	10	8,500.00	85,000.00
Accounts Support (No. of people)	3	8,000.00	24,000.00
Administrative Support	1	10,000.00	10,000.00
Peons	6	1,000.00	6,000.00
Course Material			
Design, Artwork	1	32,400.00	32,400.00
Printing & Binding (Colour)	492	320.00	1,57,440.00
Illustration	8	1,500.00	12,000.00
Stationery & Publicity Material	1	60000	60,000.00
Competition Expenses			
Prize money (1st place - Rs. 2000, 2nd place - Rs.1000, 3rd place - Rs. 500) for 16 courses	16	3,500.00	56,000.00
Publicity	1	15000	15,000.00
Refreshments & snacks	735	90	66,150.00
Travel	1	10,000.00	10,000.00



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Travel			
<i>No. of people * Approx. Fare (period of 8 Months)</i>	1	60,000.00	60,000.00
Refreshments & snacks			
Regular Sessions	6075	36.3	2,20,522.50
			37,01,830.99

Details of Equipment & Components:

b. DBIT CONTRIBUTION:

S. No.	ITEM	Per Unit Cost	Quantity	Final Amount (Rs.)
1	Space (2000 Sq. ft) (p.a.)	----	----	9,00,000.00
2	Computers (4GB RAM, 1TB Hard disk)	----	20	8,00,000.00
4	AV System	----	----	50,000.00
5	Projector (2 No.s) with HDMI cable	----	----	1,00,000.00
6	LAN & WiFi Connectivity	----	----	60,000.00
7	Interiors, Furniture	----	----	5,00,000.00
8	Camera & Security	----	----	50,000.00
Total				32,95,000.00

SJTS shall provide laboratory and classrooms with necessary facilities such as, computers, AV systems, projectors, LAN and WiFi connectivity, furniture, camera and security



Annexure B1-Budget and the Rate card

Funding is required for purchase of equipment and other activities to be carried out to provide a wholesome experience to the trainees.

ITEM / Particulars	Quantity	Per Unit Cost	Amount (Rs.)	Remarks
Table top CNC Milling Machine	1	3,00,000.00	3,00,000.00	
Electronic Components & Equipments	1	1,00,000.00	1,00,000.00	
Beginner's Robotics Kits	10	18,000.00	1,80,000.00	
Intermediate Robotics Kits	50	5,760.00	2,88,000.00	
Components for Solar Study Kits	22	5,000.00	1,10,000.00	
Lego sets for Innovationext Course				
a) Lego sets	5	9,000.00	45,000.00	
b) Lego sets specific to automobile	8	2,000.00	16,000.00	
c) Router	1	20,000.00	20,000.00	
Leadership & Team Work	10	1,000.00	10,000.00	
Material				
3D Printing Material	1	25,000.00	25,000.00	
CNC milling material	1	25,000.00	25,000.00	
Material for Innovationext Course	1	7,500.00	7,500.00	
Robotics Kits	1	3750	3,750.00	
Leadership & Team Work	100	125	12,500.00	Material for 100 students in the course
Could Platform Subscription for a year	1	140000	1,40,000.00	
Remuneration: *No. of resource persons may vary				
Program Mentor	1	20,000.00	20,000.00	
Program coordination	1	60,000.00	60,000.00	
Faculty R&D (Qty implies No. of hours)	461	1,211.56	5,58,529.16	Cumulative no. of hours of all courses - Annexure A
Faculty Delivery (Qty implies No. of hours)	461	1,158.00	5,33,838.00	
Student Delivery (Qty implies No. of hours)	461	537.53	2,47,801.33	
Student Support (Qty implies No. of hours)	461	400	1,84,400.00	
Lab Assistants	10	8,500.00	85,000.00	
Accounts Support (No. of people)	3	8,000.00	24,000.00	
Administrative Support	1	10,000.00	10,000.00	
Peons	6	1,000.00	6,000.00	
Course Material				
Design, Artwork	1	32,400.00	32,400.00	
Printing & Binding (Colour)	492	320.00	1,57,440.00	Sum of no. of participants considering only 2 copies for Soft-skill & Leadership course
Illustration	8	1,500.00	12,000.00	
Stationery & Publicity Material	1	60000	60,000.00	
Competition Expenses				
Prize money	16	3,500.00	56,000.00	1st place - Rs. 2000, 2nd place - Rs.1000, 3rd place - Rs. 500
Publicity	1	15000	15,000.00	
Refreshments & snacks	735	90	66,150.00	Total participants includes students, guests, teaching & non-teaching faculty, interns & support staff.
Travel	1	10,000.00	10,000.00	
Travel	1	60,000.00	60,000.00	No. of people * Approx. Fare (period of 8 Months)
Refreshments & snacks				
Regular Sessions	6075	36.3	2,20,522.50	No. of sessions* No. of participants
			37,01,830.99	

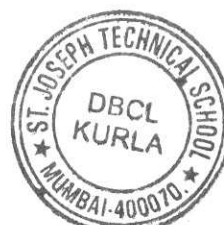
In words: Rupees Thirty Seven Lakhs One Thousand, Eight Hundred & Thirty and Ninety Nine Paise Only



Annexure B2- Disbursement Schedule

Milestone	Milestone Date	Description	Frequency	% of Total Grant Amount	Amount in Rs.	Required Documentation for Grant Release
1	1st July - 30th August 2023	Finalization of proposal and MoU with L&T	1	1st Tranche 25 %	925,457.75	1. On signing MOU 2. Grant Payment request
		First Tranche of Budget to be received by DBIT	1			
		Interaction with Schools	1			
		Course Manual Ready for 12 courses	1			
		Beginning of 12 courses including 2 non-technical courses.	3 hours/ week			
		Monthly report submission	1			
2	1 Sept – 31 Oct 2023	Second Tranche of Budget to be received by DBIT	1	2nd Tranche 25%	925,457.75	3. UC for previous tranche 4. Grant Payment Request
		Continuation of conduct of 12 courses including 2 technical courses along with evaluation	1			
		Monthly report submission	1			
3	1 Nov - 31 Dec 2023	Third Tranche of Budget to be received by DBIT	1	3rd Tranche 25%	925,457.75	5. UC for previous tranche 6. Grant Payment Request
		Course Manual Ready for 2 advance courses scheduled to begin in Jan 2024	1			
4	1 Jan – 31 March 2024	Fourth Tranche of Budget to be received by DBIT	1	4th Tranche 25 %	925,457.74	7. UC for previous tranche 8. Grant payment request
		Conduct of courses and Completion of the Courses	3 hours/ week			
		Quarterly report submission	1			
		Assessment and Certification	1/ course/ student			
		Exhibition & competition among the students	1			
Total project cost					3,701,830.99	

Amount In words: Rupees Thirty Seven Lakhs One Thousand, Eight Hundred & Thirty and Ninety Nine Paise Only



BANK DETAILS:

- a. **Bank Name and Branch:** Bank of Baroda, Kurla (West), Mumbai
- b. **Bank Account No.:** 19750100057805
- c. **Bank Address:** Shelter Apartments, Premier Road, Kurla (West), Mumbai, Maharashtra 400070
- d. **IFSC Code For NEFT:** BARB0KURLAX (Fifth Character is "zero")

जारी की गई सारीख से तीन माह के लिए वैध; VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

कुर्ला - बेल बाजार शाखा, मुंबई - 400070
 KURLA-BAIL B BRANCH, MUMBAI-400070
 RTGS / NEFT IFSC CODE: BARB0KURLAX

सेविंग्स/SAVINGS ACCOUNT CBS

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SB/2012/SE

भारत में सभी शाखाओं पर समतुल्य रूप से
 Payable at par at all branches in India

KBB

ST. JOSEPH S. TECHNICAL SCHOOL
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Annexure C: Measurable Indicators and Expected outcomes

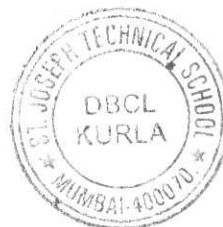
Stakeholders	Measurable Indicators
Students	<ol style="list-style-type: none"> 1. 100 % enrolled students will attend the 90% sessions 2. 100 % of enrolled students of the program will participate in exhibition and competition conducted under Engineering Futures-CrEAST Program
School Management Committee (SMC)	<ol style="list-style-type: none"> 1. Increased participation in STEM based events by the school 2. Increased school representations at inter-school competitions.

Course Name	Outcomes
mapMakr	<ul style="list-style-type: none"> ▪ 90 % Students will be able to create the spatial data using mobile phones ▪ 90% Students will be able to create, view, edit & analyse the geospatial data using QGIS ▪ 90% Students will be able to create and print the maps with labels, legends
webBuildr	<ul style="list-style-type: none"> ▪ 90% Students will be able to design and build blogs & websites using wordpress ▪ 90% Students can install various themes and can manage the wordpress blog ▪ 90% Students can use google analytics to assess the performance of the website.
natureSense	<ul style="list-style-type: none"> ▪ 90% Students will be able to learn the different environmental sensors related to air & water quality, physical parameters etc. ▪ 90% Students will be able to learn the basic integration of sensors to electronic printed circuit boards along with the power & wireless communication modules ▪ 90% Students will be able to learn the data analysis & dashboard tools used to display different sensor data on a public domain
meraApp	<ul style="list-style-type: none"> ▪ 90% Students will be able to learn the block-based approach used to develop mobile applications ▪ 90% Students will be able to learn about the different UI blocks required to access on-board sensors of a mobile phone and learn to put together a mobile application that connects to all. ▪ 90% Students will be able to develop mobile application for specific use cases which communicate with other entities and stream live data to a mobile dashboard
make3D-3D printing	<ul style="list-style-type: none"> ▪ 90 % Students will be able to create 2D & 3D modelling design using Solid works software. ▪ 90% Students will be able to create, view, edit and analyse 3Dmodels using CURA slicer software required for 3D printing. ▪ 90% Students will be able to create, view, edit using Z brush sculpture software ▪ 90% Students will be able to print 3D model using FDM technology based printers.



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Move the Turtle – Python programming	<ul style="list-style-type: none"> ▪ 90 % Students will be able to create the spatial data using mobile phones ▪ 90% Students will be able to create, view, edit & analyse the geospatial data using QGIS ▪ 90% Students will be able to create and print the maps with labels, legends
Let's-C-It – C programming	<ul style="list-style-type: none"> ▪ 90 % of the students will be able to break down a given problem into smaller, manageable steps, improving their algorithmic thinking skills and express the logical steps of the solution through algorithms and flowcharts. ▪ 90 % of the students will be able to grasp the fundamental programming concepts of data types, variables and operators and their practical use in C programs along with expressions and formatted input output functions. ▪ 80 % of the students will be able to develop the ability to think critically and solve problems creatively by designing and implementing their own C programs
Let's-Bot-It (Beginners) - Robotics	<ul style="list-style-type: none"> ▪ 90 % Students will be able to learn about robotics, different types of robots and it's applications. ▪ 90 % Students will learn about different types of sensors and it's applications. ▪ 90 % Students will be able to design the robot for different task as per the requirement. ▪ 90 % Students will be able to build their own robot. ▪ 90 % Students will be able to program their robot to perform different task as per the requirement.
Lets-Bot-It (Beginners + Intermediate) Robotics	<ul style="list-style-type: none"> ▪ 90% Students will be able to learn about robotics, different types of robots and it's applications. ▪ 90% Students will learn about different types of sensors and it's applications. ▪ 90 % Students will be able to design the robot for different task as per the requirement. ▪ 90 % Students will be able to build their own robot. ▪ 90 % Students will be able to program their robot to perform different task as per the requirement. ▪ 90 % Students will be able to learn various programming aspects like variable, data types, conditional statements, loops etc. ▪ 90 % Students will be able to develop Stem Skills like problem solving, critical thinking, logical reasoning etc.
meriUrja – To build a solar powered gadgets	<ul style="list-style-type: none"> ▪ 90 % of the students will be able to enumerate the importance of renewable energy and sustainability. ▪ 90 % will be able to practically demonstrate the principle of converting solar energy into electrical energy ▪ 85 % of the students will be able to demonstrate how different components work together to convert solar energy into electrical energy.
Soft Skill	<ul style="list-style-type: none"> ▪ 90 % of students will be able to communicate effectively in formal as well as informal situations ▪ 90 % of students will be able to use appropriate vocabulary for both oral as well as written communication. ▪ 90 % of Students will deliver speeches and presentations with confidence and appropriate body language .



Course Name	Outcomes
Innovation & Design Thinking	<ul style="list-style-type: none"> ▪ 90 % of students will be able to identify problem ▪ 90% of the students will be able to identify the key stakeholders and their role in the problem identified ▪ 90 % of the students will be able to discuss effectively in the team to arrive to the possible solutions of the problem ▪ 90 % of the students will be able to identify the appropriate resources for the solution of the problem
Leadership & Team Building – to make an effective team member and team leader	<ul style="list-style-type: none"> ▪ 90 % of the students will become responsible in dealing with various personal issues (like Motivation, confidence building, Emotional, innovative thinking, spiritual development, self-commitment, Leadership skills etc..), facing their lives and also becoming sensitive to others' problems. ▪ There will be a change of behavior and attitude among the 90 % of the students once they attend this program. ▪ This program will help in further developing the personality of the 90 % of the students
Adv_webBuildr – Advanced course	<ul style="list-style-type: none"> ▪ 90 % Students will be able to design and build custom websites using HTML5 & CSS3. ▪ 90 % Students will be able to create a functional website from scratch with all the pages such as the About Page, Services Page, Products page & Contact page too. ▪ 75 % Students will be able to create custom layouts for any website.
build3D – Modeling for CNC	<ul style="list-style-type: none"> ▪ 90 % Students will be able to create 2D & 3D modelling design using Fusion 360 software. ▪ 90 % Students will be able to perform basic CNC operations like cutting, drilling, and milling on CNC simulator. ▪ 90% Students will be able to create a CNC code for basic CNC operations like cutting, drilling, milling
	<ul style="list-style-type: none"> ▪ 90 % Students will be able to load work-piece on desktop CNC and run the CNC to observe the CNC machining.



Annexure D: Gantt Chart

Gantt Chart												
Sr. No	Course Name/ Activity	Duration (Hrs)	Frequency	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March
1	Briefing at Schools											
2	mapMakr - to create their own thematic printable and interactive maps using QGIS	20	10 of 2 Hrs									
3	webBuildr - to host website/ blog of their own on free hosting sites	15	10 of 1.5 Hrs									
4	natureSense- Environmental Sensing & Monitoring Application using sensors and controllers.	18	12 of 1.5 Hrs									
5	meraApp - to make a mobile application using Scratch & MIT App inventor	15	10 of 1.5 Hrs									
6	make3D-3D printing	40	27 of 1.5 Hrs									
7	Move the Turtle - Python programming	30	20 of 1.5 Hrs									
8	Let's-C-It - C programming	18	12 of 1.5 Hrs									
9	Let's-Bot-It (Beginners) - Robotics	24	16 of 1.5 Hrs									
10	Let's-Bot-It (Beginners + Intermediate) Robotics	40	27 of 1.5 Hrs									
11	meriUrja - To build a solar powered gadgets	15	10 of 1.5 Hrs									
12	make3D-3D printing	20	10 of 2 Hrs									
13	Soft Skill	12	8 of 1.5 Hrs									
14	Innovation & Design Thinking	20	10 of 2 Hrs									
15	Leadership & Team Building - to make an effective team member and team leader	15	10 of 1.5 Hrs									
16	Adv_webBuildr - Advanced course of C2	25	12 of 2 Hrs									
17	build3D - Advanced course of C5	30	20 of 1.5 Hrs									
18	Akanksha Exhibition											
19	Report Preparation & Submission											



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ANNEXURE E – Monitoring and Reporting Formats

1. Attendance Register Format:

Course Name:			
Batch No:			
Name of Faculty:			
Registration No.	Name of the Student	Name of School	Date

2. Evaluation Rubrics: Rubrics are designed for every course in the program.

mapMakr					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Map Reading	Student is able to read at least 90 % of the map data on map displayed on QGIS	Students are able to understand and read the map data sufficiently	Students are able to identify map data but most of the important features a missing	Students are not able to read or identify the data from the map as per expectation	MCQ based Questions
Map data Creation	Student is able to collect at least 90% of GPS data from his mobile phone.	Students have collected enough data for the project	Students have collected data which is just acceptable	Students have collected very few sample data points for the project	Projects
Map Data Analysis	Student are able to identify some critical observations from the collected or given data	Students are able to analyse and observe the data provided to them.	Students are able to make some observation but not acceptable level	Students are not able to make observations nor able to analyse the data collected or given to them	Projects
Printable Map production	Student is able to create pdf of GPS analysis. All the maps criteria of the map are fulfilled like. Legent, colours, Map direction, Scale, & additional information is mentioned on the map.	Students produced map is good and most of the requirements are fulfilled	Students produced map is acceptable but not fulfilling all requirements	Students produced output map is of poor quality	Projects



webBuilder					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
WordPress Installation and Configuration	Student is capable of performing all tasks on his own. (WordPress installation & configuration, adding menu, changing themes, adding users, adding media, adding pages and posts, configuring Home Page)	Student can successfully complete all tasks, only after further guidance and course materials. (WordPress installation & configuration, adding menu, changing themes, adding users, adding media, adding pages and posts, configuring Home Page)	Student is capable of performing basic tasks. (WordPress installation and configuration, adding menu, adding users, adding media, adding pages and posts, configuring Home Page)	Student is just capable of using the wordpress with default setting. (WordPress installation and configuration, adding menu, adding users, adding media, adding pages and posts)	Project
Layout & Design	Student is able to create a page with multiple graphic elements and variation in layout. Design elements assist visitors in understanding concepts and ideas.	Student is able to create a page with few graphic elements and variation in layout. Design elements sometimes assist visitors in understanding concepts and ideas.	Student is able to create a page with some graphic elements and limited variation in layout.	Student is able to create a page with few or no graphic elements, no variation in layout and/or the colors and text interfere with the readability.	Project
Content & Navigation	The student is able to create a site is well-organized with stated clear purpose and theme and easy to navigate. Visitors can clearly understand where they are and where to go next.	The site has a clearly stated purpose and theme, but may have one or two elements that do not seem to be related to it.	Student is able to create a site where the purpose & theme of the site is vague and Some navigation is unclear, resulting in a few places where visitors can become lost.	Student is able to create a site but with lacks a purpose & theme. Visitors are finding difficult to develop the site which is confusing & information cannot be found easily.	Project
WordPress Plugin	Student is able to search, install and configure, tweak the plugin as per the requirement of project	Student is able to search, install and configure the plugin as per the requirement of project	Student is able to search, install and use the plugin as per the requirement of project	Student is able to search the right plugin as per the requirement of project	Project

natureSense					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Understanding circuitry	Student exhibits thorough understanding of plug-in/ connection requirements.	Student has sufficient understanding of plug-in/ connection requirements.	Student exhibits understanding of plug-in/ connection requirements with some help.	Student does not have sufficient understanding of plugin/connection requirements.	Project
Computation	Understands basic control flow including conditionals, loops, and events & is able to code them.	Understands one or two aspects of basic control flow, such as conditional statements and loops & can code with help.	Understands one or two aspects of basic control flow, such as conditional statements and loops but cannot comprehend coding.	Lacks articulation of logic structures but understands the code involved. May know some specific code is necessary for some logic structures but doesn't understand why.	Project



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meraApp					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Knowledge of App development and logic building	Student is aware of App development tools & techniques and used similar tools in the past	Student is able to relate to logic required for app development.	Student is aware of techniques and tools for app development.	Student is unaware of tools and techniques used for App development	Questionnaire
Understanding of App and implementation	Student is able to think out of the box of Apps functionality is linked to UI with additional logic	Student is able to think on own of Apps functionality and link to UI	Student's understanding of App functionality is good to clear basic logic and can think complex logic with some help	Student's understanding is limited only simple & easy functionalities of the App	Project
Creation of App	Student is able to execute an app on own using more than two features learnt from course in addition with extra features	Student is able to execute an app on own using more than one features learnt from course	Student is able to execute an app with help using more than one features learnt from course	Student is unable to repeat the app development process on own	Project

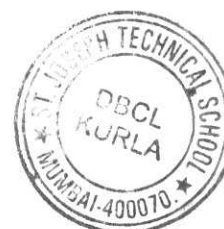
make3D-3D printing					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
2D 3D models using Solidworks	Students have completed all 2D/3D models using Solidworks	Students are able to create all 2D models and few 3D models using Solidworks	Students are able to create 2D models and need more practice to create 3D models using Solidworks	Students are able to use Solidworks for 2D models	Modelling capabilities
Cura software	Students are able to prepare 3D model for 3D printing using all infill patterns, layer height and speeds	Students are able to prepare 3D model for 3D printing using few infill patterns, layer height and speeds	Students are able to prepare 3D model for 3D printing using only 2 infill patterns, layer height and speeds	Students are able to prepare 3D model for 3D printing but need more practice	Modelling capabilities
Z brush software	Students are able to design complete sculpture on their own	Students are able to design sculpture with some corrections	Students are able to create basic sculpting shapes	Students know all commands & need more practice to design sculpture shapes	Modelling capabilities
3D Printing	Students are able to prepare slicing file for 3D printing	Students are able to prepare slicing file with some help	Students know basic commands to create slicing file	Students need more practice with slicing	Modelling capabilities



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Let's-C-It					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Understanding the Fundamentals of a Computer System	Students have good understanding of the basic concepts of hardware and software components	Students have some understanding but they need to put in a little more effort to understand it better	Student have only a fair idea and need to put in a lot of efforts	Students are not clear about the fundamental concepts of a computer system	Quiz 1
Representation of problem-solving steps	Students have a good understanding of the what & how algorithms and flowcharts are	Students have some understanding but they need to put in a little more effort	Student have only a fair idea and need to put in a lot of efforts	Students are not clear about the tools	Quiz 2
Understanding of Problem Statement and Designing a Solution	Students have a good understanding of interpreting the problem statement and how best to solve it	Students have a good understanding of interpreting the problem statement as well as how to solve it & represent the steps	Students have only a fair understanding of interpreting the problem statement and representing the steps to solving it	Students are not clear about the interpretation of the problem statement itself	Algorithm written and Flowcharts drawn
Choice of appropriate data structures, operators and expressions	Students have understood the basic programming concept and their applications extremely well & chose independently	Students have understood the basic programming concepts well and chose independently but can make better choices	Students have understood the basic programming concepts and their applications fairly well but need assistance for making choices	Students have theoretically understood the basic programming concepts & their applications but not clear on how to implement practically	C Programs written
Execution of deliverable	Executing as per expectation	Executing partially with respect to expectation	Executing with assistance after minor syntactic or semantic error corrections	Not executing due to major syntactic or semantic errors	Working and Output of C Programs written

Robotics (iROBOKIDS)					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Designing the Robot	Student could design the robot on their own	Student could design the robot with very little assistance	Students could design the robot with some assistance	Students could design the robot with lot of assistance	Robot Designing
Building the Robot	Student could build the robot on their own	Student could build the robot with very little assistance	Students could build the robot with some assistance	Students could build the robot with lot of assistance	Robot Building
Programming the Robot	Student could program the robot on their own	Student could program the robot with very little assistance	Students could program the robot with some assistance	Students could program the robot with lot of assistance	Robot Programming
Testing and enhancing the Robot	Student could test & perform enhancements on their robot on their own	Student could test and perform enhancements in their robot with very little assistance	Students could test and perform enhancements in their robot with some assistance	Students could test and perform enhancements in their robot with lot of assistance	Robot Testing and Enhancement



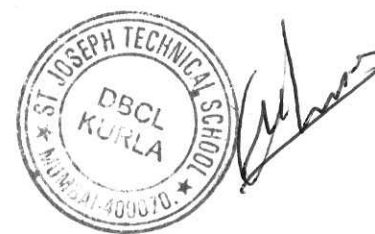
Robotics (The Innovation Story)					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Building blocks of robot	The student is able to recognize and explain the parts of robot	The student is able to recognise and explain nearly all the parts of robot	The student is able to recognise and explain only few parts of robot	The student is not able to recognise or explain the parts of robot	Class Project
Mechanical Foundation	The student is able to identify, explain, apply, and analyse mechanical concepts and use of tools	The student is able to identify, explain, and apply mechanical concepts and use of tools	The student is able to identify and explain mechanical concepts and use of tools	The student is not able to identify, explain, apply, and analyse mechanical concepts and use of tools	Team project
Electrical Foundation	The student is able to define key electrical terms, recognise and apply components, understand connections and diagrams & is following safety protocols	The student is able to define key electrical terms, recognise majority of components, understand connections and diagrams, and is aware of the safety protocols.	The student is able to define key electrical terms, recognise few components and connections.	The student is not able to define key electrical terms, recognise and apply components, understand connections and diagrams & is following safety protocols	Class project and Team robot
Software and Programming Foundation	The student has syntax knowledge, posses strong logical thinking, and debugs and troubleshoot the code.	The student has syntax knowledge, good logical thinking, and can debug code.	The student has syntax knowledge, and can recognise the error in the code.	The students doesn't posses syntax knowledge and cannot understand the error in the code.	Class project
Robot Integration	The student understands the robot capabilities and constraints, knows all the robot components and tools used, able to identify and solve integration challenges.	The student understands the robot capabilities and majority constraints, knows most of the robot components and tools used, and can identify integration challenges.	The student understands the robot capabilities, knows few robot components and tools used.	The student has limited understanding of the robot capabilities and the tools used for robot integration.	Team robot
Teamwork and Collaboration	The student is able to share & communicate responsibility, good conflict resolution skills, role clarity, & bonds well with the team.	The student is able to share responsibilities, plays a role in conflict resolution, has individual role clarity, and bonds well with the team.	The student is able to share and tries to communicate, and bonds well with the team.	The student has limited communication, lacks role clarity, and doesn't showcase team-spirit.	Team robot
Perseverance and Resilience	The student showcases consistency, adaptability, problem-solving skills & learn from their set-backs	The student showcases consistency, adaptability, and good problem solving.	The student showcases limited consistency & adaptability.	The student doesn't exhibit consistency and adaptability.	Class Observations
Communication, Accountability, and Leadership	The student has a holistic understanding & approach on communication, accountability & showcase strong leadership skills.	The students has an understanding & showcase good communication, accountability & leadership skills.	The student showcases accountability and communication skills.	The student doesn't showcase accountability.	Class Observations



meriUrja					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Underst- anding Energy	Student demonstrates thorough understanding of how solar energy is converted into electricity & describes the benefits of using solar power and its impact on the environment.	Student demonstrates sufficient understanding of how solar energy is converted into electricity & describes the benefits of using solar power and its impact on the environment.	Student exhibits understanding of how solar energy is converted into electricity & describes the benefits of using solar power and its impact on the environment.	Student does not have sufficient understanding of how solar energy is converted into electricity & describes the benefits of using solar power and its impact on the environment.	Fun Test
Underst- anding circuitry	Student exhibits thorough understanding of plug-in/ connection requirements.	Student has sufficient under -standing of plug-in/ connection requirements.	Student exhibits understanding of plug-in/ connection requirements with some help.	Student does not have sufficient understanding of plugin/connection requirements.	Class Observations
Project	Quality of work is unusually high and beyond expectations	Skill is mastered to the level of expectation	skill is almost mastered but with minor problems	The skill is absent	Project

Soft Skills					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Use of appropriate vocabulary	Student communicates effectively with proper use of words & grammatical concept	Student is able to use proper words and sentences	Understands correct usage of words and grammar	Student does not articulate correct sentences	Public Speech and Role play
Effective use of Body language	Student is able to use body language effectively	Student is able to communicate with proper use of body language	Understands importance of non-verbal codes & clues in communication	Lacks proper use of body language	Presentation of Projects

Adv_webBuildr – Advanced course					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Coding Validation	There are no errors in the HTML, CSS or other coding on the site / webpage.	There are 1-3 coding errors on the site / webpage.	There are 4-5 coding errors on the site / webpage.	There are more than 6 coding errors on the site / webpage.	WebPage s / Project
Layout/ Design	The web site has an exceptionally attractive and usable layout. It is easy to locate all-important elements. White space, graphic	The web site has an attractive and usable layout. It is easy to locate all important elements.	The web site has a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	The web site has a cluttered look and is confusing. It is often difficult to locate important elements.	WebPage s / Project



	elements and/or alignment are used effectively to organize material.				
Cascading Style Sheet	Students use a style sheet to define attributes (along with some inline style), which makes all pages attractive looking and consistent.	Students use a style sheet, however there are some inconsistencies in relation to the styles on each page in the web site.	Student uses a style sheet, however, it is not consistent on all pages, which disrupts consistency of pages within the web site.	Students fail to use a style sheet within the pages of the web site.	WebPages / Project
Navigation	Links for navigation are clearly labelled, consistently placed, allowing the reader to easily move from a page to related pages and take the reader where he expects to go. A user does not become lost.	Links for navigation are clearly labelled, allowing the reader to easily move from page to page and internal links take the reader where he expects to go. A user rarely is lost.	Links for navigation are the reader where expected, but some needed links seem to be missing. A user sometimes gets lost.	Some links do not take the reader to the sites/pages described. A user typically feels Lost.	WebPages / Project
Graphics	Graphics are related to the theme or purpose of the site, are of high quality and enhance reader interest or Understanding.	Graphics are related to the theme or purpose of the site, are of good quality and enhance reader interest or Understanding.	Graphics are of fair design, unoriginal, with elements that need enhancing such as red eye, etc.	Graphics are poor design, unoriginal or borrowed work that need major enhancements such as red eye, improved cropping, etc.	WebPages / Project

Innovation and Design Thinking					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Problem Identification	The student is able to cater to all the stakeholders	The student is able to cater to sufficient stakeholders	The student is able to cater to at least one stakeholder	The student doesn't cater to any stakeholders	Team project
Multiple solutions	The student is able to arrive with multiple solutions	The student is able to arrive with adequate solutions	The student is able to arrive with at least one solution	The student is not able to arrive with any solution	Team project
Resourcefulness	The student is able to identify all the available resources for problem solution	The student is able to identify enough resources for problem solution	The student is able to identify very few resources for problem solution	The student is not able to identify resources for problem solution	Team project
Collaboration	The student is able to express and communicate and lead the group towards conclusive discussion	The student is able to share responsibilities, has individual role clarity, & bonds well with the team.	The student is able to share and tries to communicate, and bonds well with the team.	The student has limited communication, lacks role clarity, and doesn't showcase team-spirit.	Team project

Leadership and Team (Task) Management					
Criteria	Outstanding	Excellent	Good	Poor	Criteria Measuring Methods
	4	3	2	1	
Self awareness	The student is able to do SWOT analysis about themselves	The student is able to identify new skills within them	The student is able to recognise & explain only few points about themselves	The student is not able to recognise or explain about themselves	activities and role play



Active leader for self & for team	The student is able to identify, explain and take initiative as leader	The student is able to identify, explain, and apply few leadership skills	The student is able to participate and take initiative in few activities and leader	The student is not able to identify, explain/participate in any leadership activities	Team activities
Effective communication with team	The student is able to effective communication with team members	The student is able to only define key elements of communication	The student is able to understand importance of communication	The student is not able to understand the importance of effective communication	team and individual activities
Team (task) management and group dynamics	The student is able to share and complete the task and bonds well with the team and understand the group dynamics .	The student is able to share and care responsibilities, plays a role in conflict resolution, and bonds well with the team.	The student is able to communicate, and bonds well with the team.	The student has limited role clarity, and doesn't showcase team-spirit.	team building activities
Innovative thinking	The student will develop his or her thinking ability in an innovative way.	The student understands the concept, style and performance of innovation.	The student understands the concept of innovation	The student has limited understanding of innovative thinking .	Group activities
Problem solving approach	The student is able to use available resources to solve the problem	The student is able to start thinking in different ways of problem solving	The student is able to understand the different concepts of problem solving	The student has limited understanding of problem solving approaches	Team and individual activities

3. Monthly Reporting format

Name of the course of Engineering Futures-CrEAST Program	Total No. of hours the course is designed for (Hours)	Name of the course coordinator	Date of commencement of the course	No. of hours completed	% of course completed by end of the month	No. of students enrolled for the course	Average attendance in the course (%)

4. Monthly Report will include Planned V/s achieved activities, Attendance in each course, Students completing the course, Geo tagged Photographs

5. Quarterly Reporting Format

The report will comprise of the following aspects with respect to each course:

Name of the course of Engineering Futures- CrEAST Program	Total No. of hours the course is designed for (Hours)	Name of the course coordinator	Name of the Instructor	Date of commencement of the course	No. of hours completed	% of course completed	No. of students enrolled for the course	Average attendance in the course (%)	Remarks

