

This Memorandum of Understanding ("MOU") is made on this 21-jan-2023.

Between

**Pupilfirst Private Limited**, bearing CIN U 4999 KL2017PTC069556, a company incorporated under the Companies Act, 2013 and having its registered office at 1st Floor, CM Complex, Kalavath Road, Palarivattam, Ernakulam, Kerala, 682025 hereinafter referred to as "Pupilfirst" of the FIRST PART

AND

**ACE ENGINEERING COLLEGE** having its address at **Ankushapur, Ghatkesar, Telangana 501301** here in after referred to as the "**Institute**" of the SECOND PART Pupilfirst and the Institute shall hereinafter be collectively referred to as the "**Parties**" and individually as the "**Party**".

WHEREAS

- A. Ministry of Education, Government of India has announced a new Public-Private Partnership Scheme called the **National Educational Alliance for Technology (NEAT)** to bring technology-enabled teaching-learning for better learning outcomes for students. ("**NEAT Scheme**").
- B. The NEAT Scheme's objective is to make learning more personalized as per the requirements of the learner and thus requires development of technologies in Adaptive Learning to address the diversity of learners. Recognizing that educating the youth is a national effort; the Ministry of Education has created a National Technology Alliance with organizations having proven educational technology solutions through a PPP model.
- C. AICTE would be the implementing agency for the NEAT Scheme and shall ensure that the solutions are freely available to a large number of economically backward students by giving 25% of the seats to socially and economically backward students.
- D. Pupilfirst, a pioneering educational technology organization with a mission to create education tools and techniques that will benefit students and that can also enable teachers to transform classroom education to a learner centered model and achieve near 100% learning outcomes, has been selected by AICTE to be brought under the NEAT Scheme.
- E. AICTE and Pupilfirst have accordingly executed a Memorandum of Understanding (hereinafter referred to as the "**AICTE-Pupilfirst MOU**") in relation to various courses to be implemented in different stages under the NEAT Scheme. AICTE further published the Model Curriculum for Minor Degree in Advanced Web Development 2022) [[https://www.aicte-india.org/sites/default/files/Model\\_Curriculum/Minor%20Degree%20in%20Adv.%20Web%20Development.pdf](https://www.aicte-india.org/sites/default/files/Model_Curriculum/Minor%20Degree%20in%20Adv.%20Web%20Development.pdf)] outlining the approach to implementing the courses as an 18-20 credits Minor in Advance Web Development ("**Minor Degree**"). Institutes have also been given the option to launch the Courses as open electives instead of as a Minor Degree (each course an "**Open Elective**"). The courses to be offered at Institutes either as Minor Degree or as Open Electives are hereinafter referred to as the "**Courses**" and are described in detail in **Schedule 1** of this MOU - Table 1 and Table 2 respectively.

option to launch the Courses as open electives instead of as a Minor Degree (each course an “**Open Elective**”). The courses to be offered at Institutes either as Minor Degree or as Open Electives are hereinafter referred to as the “**Courses**” and are described in detail in **Schedule 1** of this MOU - Table 1 and Table 2 respectively.

- F. Pursuant to the execution of the AICTE-Pupilfirst MOU, AICTE has launched the ‘**Leadership in Teaching Excellence**’ programme (the “**LITE Programme**”), as a national program to train 100,000 faculty members with leadership in teaching excellence. Through the LITE Programme, AICTE envisions training its Faculty members from Computer Science and allied streams on an ongoing basis, to introduce modern learner-centered pedagogy, competency-based curriculums, continuous and adaptive learning assessments and continuous professional development of faculty at their respective institutes with support from the leadership of the said institutes.
- G. Over the next few years, AICTE intends to bring modern computer engineering knowledge to 24 million children, starting with schools. In accordance with National Educational Policy 2020 (“**NEP 2020**”), AICTE aims to create new pathways for direct admissions for the top school students from these programmes to higher educational institutes who are part of the LITE Programme. This shall enable LITE institutes to have access to a pipeline of higher quality of admissions, and thereby enable students to move beyond highly paying employment opportunities into more challenging domains of entrepreneurship and research at the institutes themselves. The Institute is desirous of offering the Courses to students enrolled in the Institute and offer the same as **Open Electives /a Minor Degree**.
- H. The Parties are now entering into this MOU to set out the proposed collaboration between the Parties with regard to the LITE Programme and their respective rights, responsibilities and obligations in relation to implementation of the Courses in the Institute.

NOW, THEREFORE, THIS MOU WITNESSETH AS FOLLOWS:

## **1.0 Details of the Courses and Continuous Professional Development of Faculty members**

### 1.1 Details of the Courses:

- 1.1.1 The Parties agree that the Courses shall be offered to interested students of the Institute as **Open Electives /a Minor Degree**, starting from Academic Year 2022-23. The credits that a student undergoing the same will be entitled to, fees payable and other details thereof are as set out in **Schedule 1**. Additional courses may be added or certain Courses removed/amended from time to time as mutually agreed between the Parties, subject to AICTE having approved all such amendments prior to the Parties implementing such changes and updating Schedule 1 accordingly.
- 1.1.2 Each of the Courses will be conducted in batches (each a “**Batch**”) and eligible students will be allowed to enroll in a particular Batch of the Course offered at the Institute and if the desired student intake count is reached, the remaining eligible students will be waitlisted for the next intake.

### 1.2 LITE Faculty members:

- 1.2.1 Selected faculty member(s) of the Institute shall be appointed as LITE faculty member(s) by Pupilfirst and will be given a basic orientation and training in creating a classroom experience with learner-centered pedagogy by using

competency-based curriculums and measuring progress through continuous assessments. Once they begin the basic orientation and training, the faculty member(s) shall (a) oversee the process for integration of the Courses as part of the Institute's curriculum and (b) guide students in progressing through the Courses.

- 1.2.2 LITE faculty member(s) of the Institute, who are interested may undergo a faculty development programme which will be carried out by Pupilfirst and the faculty member(s) who have successfully undergone the faculty development programme shall be (a) issued a certificate from AICTE; and (b) be nationally recognized by AICTE and given priority to various research and faculty development programmes. Refer to Annexure 1 for details of key responsibilities of LITE stakeholders.

### 1.3 On-boarding students to the Courses:

- 1.3.1 The WD 101 Course (the first of the Courses which needs to be completed by students) shall be offered as an Interest-Based Admission Test (I-BAT) **free of cost** to all interested students at the Institute who are qualified for it based on the department and semester in which they are enrolled and who fill out and submit completed interest forms on or before the given deadline (which deadline will be communicated by Pupilfirst to the Institute prior to issuing the interest forms). Pupilfirst's decision on whether or not a student has submitted a complete interest form shall be final and binding on the Institute and the concerned student. All students who have submitted completed interest forms (as determined by Pupilfirst) shall be on-boarded to the WD 101 Course.
- 1.3.2 The Courses will be offered in 4 levels (i.e. WD 101, WD 201, WD 301 and WD 401) and successful completion of the previous level/Course is a prerequisite to enrolling in the next level/Course. In other words, students who successfully complete the WD 101 Course will be eligible to undergo the WD 201 Course, those who complete WD 201 Course, will in turn be eligible to undergo the WD 301 Course and those who complete the WD 301 Course will in turn be eligible to undergo the WD 401 Course.
- 1.3.3 While all students who successfully complete a level/Course, will be eligible to enroll for the next level/Course, admission to a particular Batch of a Course will be done on a first-cum-first served basis till the maximum number as set out in subclause 1.1.2 is filled.

### 1.4 On-boarding Teaching Assistants:

- 1.4.1 Students who have successfully completed WD 101 and WD 201 Courses will, if they are interested and willing and deemed suitable by Pupilfirst, be onboarded as Teaching Assistants ("TAs") to assist in delivery of the Courses to future Batches of students. During their work as a TA, they will be working under the guidance of the Coaches, who are experts from the Industry.
- 1.4.2 Suitable stipend/remuneration along with a certificate will be also given to the TAs for their contribution. TAs can also in parallel take the WD 301 Course and in due WD 401 Course while they assist with delivery of the Courses earlier completed by them.

- 1.5 Dates and deadlines of Courses: The exact dates for commencement of a particular Batch of a particular Course at the Institute shall be decided by the Pupilfirst team, considering the academic calendar of the Institute. From the date of commencement of

a particular Batch of a Course until the deadline mentioned, students can access the said Course and they will be required to complete the said Course within the deadline mentioned. The end date and key Course deadlines for each Batch undergoing a particular Course will be included in the information material prepared by Pupilfirst and shared with the Institute.

- 1.6 LITE Hiring Network: To enhance the opportunity for internships and hiring of students from LITE Institutes, the LITE Hiring Network has been launched with 69 companies. This employability programme is supported by ACT Grants, the collective of India's leading venture capitalists and startups so that startups and reputed software organizations can hire graduating students from the minor degree track and for students completing the applicable courses as open electives. The list of companies is available at [wd.pupilfirst.org](http://wd.pupilfirst.org). Prior updates regarding the same will be communicated to the Principal Coordinator of the Institute. **The Institute understands and acknowledges that while the LITE Hiring Network programme will provide an opportunity to students of the Institute who undergo the Courses to apply to companies/entities that are part of the LITE Hiring Network (subject to their meeting other criteria for such application as may be applicable to each such companies/entities), neither Pupilfirst nor AICTE guarantee internships or jobs to the said students.**

## 2.0 Joint Responsibility of the Parties

- 2.1 Appointing Principal Coordinators: Both the Parties shall announce a coordinator ("**Principal Coordinator**") for the execution of the MOU who shall be the primary point of contact of the said Party vis-à-vis its obligations and duties for the other Party in connection with the implementation of the LITE Programme and the Courses in the Institute.
- 2.2 Offering enrollment in Courses on a voluntary basis: The Parties acknowledge that as per the AICTE-Pupilfirst MOU, the courses offered by an ed-tech company (such as Pupilfirst) at institutes shall be offered to students on a voluntary basis and accordingly Pupilfirst and the Institute undertake not to make it compulsory for the students of the Institute to enroll for a particular Course or force students to take a paid Course.
- 2.3 NETF platform: The New Education Policy 2020 suggests the formation of the National Educational Technology Forum ("**NETF**") to provide a platform for the free exchange of ideas on the use of technology to enhance learning, assessment, planning, and administration. Through the technology forum, the policy envisages that technological advancements will be integrated into all levels of education to improve the classroom process, support teachers' professional development, and enhance educational access for disadvantaged groups.
- 2.4 Providing student learning outcomes to AICTE: The Institute and Pupilfirst shall provide AICTE student learning outcomes with a special focus on technology transformation for creating personalized learning environments at academic institutes using dynamically updated competency based curricula, adaptive and continuous assessments and development of faculty as inputs for designing policies to achieve NEP 2020 policy goals.

## 3.0 Roles and Responsibilities of Pupilfirst

Pupilfirst shall be tasked with the roles and responsibilities vis-à-vis the delivery and implementation of the Courses at the Institute as set out below:

- 3.1 Preparation and submission of interest forms: Pupilfirst shall prepare and submit to the Institute interest form(s) which students interested in undergoing the WD 101 Course may fill out.
- 3.2 Arranging Industry Coaches: Industry experts who are appointed as coaches ("**Coaches**") shall be arranged by Pupilfirst and be made available throughout the duration of the Courses for supporting academic faculty to aim for nearly all students achieving course-learning outcomes.
- 3.3 Providing access to the Platform: The term "**Platform**" shall mean an instance of the Pupilfirst LMS web application hosted by Pupilfirst, accessible at [www.pupilfirst.school](http://www.pupilfirst.school), to which enrolled students and faculty of the Courses can sign in. The students, faculty and any other authorized personnel of the Institute accessing the Platform shall be subject to the terms and conditions for use of the website (<https://www.pupilfirst.school/agreements/terms-and-conditions>) and data privacy policy (<https://www.pupilfirst.school/agreements/privacy-policy>). For any questions, kindly email [wd@pupilfirst.org](mailto:wd@pupilfirst.org).
- 3.4 Competency-Based Digital Curriculum: Pupilfirst shall create and periodically update open-source digital curriculum for the Courses which shall include but not be limited to any and all content, media, displays, graphics, photographs, footage, designs, exhibits, data, reports, or information included as part of the Courses (hereinafter referred to as the "**Curriculum**") and ensure dynamic updating of the Curriculum to keep pace with fast evolution of the World Wide Web.
- 3.5 On-boarding TAs: Pupilfirst shall encourage and facilitate the on-boarding of TAs to enable peer learning and providing teaching assistance for delivery of subsequent batches.
- 3.6 Providing information on setting up of lab facilities: When required, Pupilfirst shall provide a list of equipment required for the Courses that will be set up at the Institute's cost and expense.
- 3.7 Providing support in identifying & integrating LITE faculty members: This involves selecting interested faculty members who have an aptitude to receive training in pupil centered pedagogy, competency based curricula and continuous personalized assessments techniques for curriculum delivery to students.
- 3.8 Sharing resources with institutes to create awareness: Pupilfirst shall share relevant resources to introduce the Courses and Curriculum to students and explain the potential of the emerging software programming paradigms such as web development using typed functional programming and the opportunities that the knowledge and skills gained while undergoing the Courses can bring to empower them, create employability and generally improve their career prospects globally in the present knowledge economy.
- 3.9 Delivering the Course & Ensuring Engagement:
- (i) Assisting the Coach (Industry Expert) and Teaching Assistants in reviewing the faculty/student submissions within an appropriate time and in answering queries on Web Development Community on Pupilfirst LMS or Pupilfirst Discord Server;
  - (ii) Monitoring the learning and progress of the students along with faculty and AICTE Faculty and Student Development Cells;

- (iii) Updating the weekly progress of students to the faculty members.
- (iv) Periodically communicating with AICTE on the progress of individual faculty and students and progress of LITE Programme as a whole;
- (v) Gather feedback on student submissions at set intervals to gain insights on how to create a continuous personalized learning process while ensuring the quality of the projects/products developed/submitted by the students;
- (vi) Consolidate and share the marks with the Institute at the end of the Courses.
- (vii) Issue certificates to the students who have completed the respective courses successfully as part of the Minor Degree track or Open Electives.

3.10 Deliver faculty development programme: Pupilfirst shall deliver faculty development programme to those faculty members of the Institute who are interested in undergoing the same.

#### 4.0. Roles and Responsibilities of the Institute

The Institute shall be tasked with the roles and responsibilities vis-à-vis the delivery and implementation of the Courses at the Institute as set out below:

- 4.1. Survey to collect economic status of students: In order to assess the economic status of students at the Institute so that Pupilfirst (in consultation with AICTE) can determine whether one or more of them are eligible for scholarships as set out in Clause 6.6 below, the Institute shall facilitate carrying out of surveys prepared by Pupilfirst, to collect the economic status of the students.
- 4.2. Providing support to nominated faculty member(s): The Institute shall support its nominated faculty member(s) to undergo the faculty training in order to effectively learn the techniques of pupil centered pedagogy, competency based curricula and continuous assessments to achieve learning outcomes for nearly all members of the class. The faculty members so selected will undergo the teacher training in each of the Courses over a period of time. The Institute and its leadership shall be recognized by AICTE as its Brand Ambassadors of Change.
- 4.3. Instruct faculty members and monitor performance: One faculty member nominated by the Institute shall be the LITE Faculty member who shall (i) liaison between Pupilfirst, students and the industry coach selected for the Courses (ii) facilitate communication to/from students, (iii) monitor the grievances raised by the students/learners and (iv) communicate consent and feedback received from the students with AICTE;
- 4.4. Assign time to students for working on Courses: The Institute shall assign at least 3-4 hours per week, on weekdays, in the regular academic timetable of the students enrolled in the Courses to work on the Courses they are enrolled in. In these allotted hours, the students will come together and work from a classroom on campus in the presence of the LITE faculty member.
- 4.5. Share information and learning progress: The Institute shall share the requisite information and learning progress updates from time to time and ensure that evidence based insights become inputs for continuous improvement of the teaching-learning process that can result in leadership in teaching excellence over a sustained period of time.
- 4.6. Not collect any fees from students towards Course fee: The Institute understands and acknowledges that while it may make it compulsory for all their students to take a

particular Course for empowering them to acquire additional skills and create better employability, in such instances, the Institute shall not collect any fee from the Students in any manner towards the Course fee. If any Course is made mandatory for students, the Institute undertakes to bear all the cost of the said Course fee from their own resources. Circular or other modes of communication addressed to the Students/learners for transmission of the above information to the Students will be submitted to the AICTE by the Institute. However, such Courses cannot be complete outsourcing of a programme, but add-on courses for better employability.

- 4.7. Submit Course fee receipts: The Institute shall undertake to submit to AICTE, the receipt for purchase of Course(s) from Pupilfirst. Institute further undertakes to provide to AICTE, the details of the students enrolled in a particular Course in the specified format provided.
- 4.8. Circulate material and interest forms: The Institute shall circulate the materials and interest forms generated by Pupilfirst widely amongst all its students and explain to the students who are interested in applying, the benefits of the Courses as well explain the benefits of becoming a TA for one or more future batches of the Courses to be conducted and expectations in terms of their commitment towards becoming a TA.
- 4.9. Provide assistance and cooperation: The Institute will provide all necessary assistance and co-operation as may be required by Pupilfirst in conducting and delivering the Courses as contemplated in this MOU.

## **5.0 Commencement, Duration, Amendment and Termination of MOU**

- 5.1 The MOU shall come into force from the date it is signed by the Parties unless any other specific date is communicated.
- 5.2 The MOU shall be in force initially for a period of 5 (five) years or until completion of the first batch of the Courses at the Institute whichever is later, and the same shall be auto-renewed for further periods of 5 (five) years at a time, unless either Party sends a notice of termination to the other Party not less than 30 days prior to the expiry of a specific term.
- 5.3 Any modification or alterations to the MOU shall be first mutually discussed by the Principal Coordinators of the Parties and agreed in writing to become the supplement MOUs. Schedule 1 may be modified from time to time as set out in Clause 1.1.1 above.
- 5.4 In the event either Party wishes to terminate the MOU, it shall do so with prior notice in writing of 30 (thirty) days to the other Parties. In the event AICTE or Pupilfirst terminate the AICTE-Pupilfirst MOU, by default, this MOU will automatically stand terminated at the Institute level too. If the MOU is terminated at the Institute level the detailed information should be shared to AICTE for necessary action.
- 5.5 Upon termination of the MOU, any Course that commenced prior to the date of termination and which is ongoing shall be completed and approved fees as applicable paid to Pupilfirst in connection therewith.

## **6.0 NEAT Course Fee & Scholarships**

- 6.1 AICTE has approved NEAT Course fees for students and either the Institute or the selected students shall pay the approved course fee + government taxes as applicable to Pupilfirst of such amount and in such manner as set out in **Schedule 1** of this MOU ("**NEAT Course Fee**") as may be amended from time to time
- 6.2 Other than the WD 101 Course which will be offered as a free course to all students who submit completed forms, all other Courses (i.e. WD 201, 301 and 401) are paid courses and the NEAT Course Fees set out in Schedule 1 shall be applicable to the said Courses ("**Paid Courses**"); provided however that a limited number of scholarships will be offered even on the Paid Courses to students as set out in Clause 6.5 and 6.6 below.
- 6.3 In case the payment is made by the Institute, Pupilfirst shall raise invoices on the Institute for the NEAT Course Fees as set out in **Schedule 1** and the Institute shall pay invoices issued in accordance with these terms within 15 (fifteen) days of receipt of invoice. Any delay in making payment on undisputed invoices within the required time period as stated above shall attract interest calculated at the rate of SBI's Benchmark prime lending rate per month.
- 6.4 In case the Course fees payment is being made by the selected student directly, Pupilfirst shall share the payment links for students as set out in Schedule 1 of this MOU, keeping the LITE faculty member in copy.
- 6.5 Pupilfirst aims to provide upto 10,000 free scholarships prior to December 31, 2023 ("**Scholarship End Date**") to students to undergo the Courses. The free scholarships are offered per Course and not per student. To illustrate if a student undergoes both WD 201 and WD 301 on a scholarship basis, for the purpose of the 10,000 scholarship count, this will be counted as 2 scholarships. A student who has received a WD 201 scholarship shall continue to get a scholarship to WD 301 and WD 401 if he/she completes the earlier levels successfully unless the 10,000 (Ten Thousand) scholarship count has already been reached or the Scholarship End Date has expired. Students who received the scholarship who drop out on their own or based on request from Institute or who Pupilfirst in its sole discretion believe are either unable to cope with/keep up with the Course work within the set timelines and in accordance with the Course plan (as set by Pupilfirst) or with whose information submitted, Pupilfirst finds any discrepancies (such as department, semester etc.), shall be dropped and shall no longer be eligible to be part of that particular Batch nor be eligible for the scholarship. The withdrawn scholarship will be added to the scholarship pool. Once the 10,000 (Ten Thousand) scholarship count is reached or the Scholarship End Date has expired, whichever is earlier, Courses undertaken by all students thereafter will be paid Courses, except as set out in Clause 6.6 below.
- 6.6 Following the exhaustion of 10,000 scholarships or post expiry of the Scholarship End Date, whichever is earlier, up to 1 in every 4 students who enroll for a paid NEAT Course shall receive the scholarship, based on AICTE NEAT Cell guidelines.

## **7.0 Dispute Resolution**

- 7.1 In case of any dispute between the Parties, the dispute shall be amicably resolved in a meeting of the 2 Principle Coordinators. However, if such an effort fails, it shall be referred to the NEAT Apex Committee. If a dispute is not resolved amicably, then it will be resolved through arbitration.

7.2 The arbitration proceedings shall be as per the provisions contained in the Arbitration and Conciliation Act, 1996 (as amended from time to time and in force when the reference is made). The venue of the arbitration proceedings shall be at a neutral location, and the proceedings shall be in English language. If any dispute still remains unresolved, the same shall be adjudicated by the Court of law at New Delhi.

## 8.0 Force Majeure

If at any time, during the continuance of this MOU, the performance in whole or in part, by either Party, of any obligation under this is prevented or delayed, by reason of war, or hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, pandemic, epidemic, quarantine restriction, strikes and lockouts, fire, floods, natural calamities or any act of GOD (hereinafter referred to as EVENT), and provided notice of happenings of any such EVENT is given by the affected Party to the others, within 21 (twenty one) calendar days from the date of occurrence thereof, no Party shall, by reason of such event, be entitled to terminate the MOU, nor shall any Party have any such claims for damages against the other, in respect of such non-performance or delay in performance. Provided each of the Party's obligations and rights hereunder shall be resumed as soon as practicable after such EVENT comes to an end or ceases to exist.

## 9.0 Intellectual Property Rights

9.1 Pupilfirst may use the name, logo, photo and faculty member details of the Institute in connection with the promotion, marketing and delivery of the Courses and the LITE Program after a prior intimation to the Principal Coordinator of the Institute.

### 9.2 LITE - Learning Engineering, Analytics & Research Network.

**Dr Leena Chandran Wadia**, Member, Technical Secretariat to the Dr K. Kasturirangan Committee for preparation of the National Education Policy (NEP) and Member, Drafting Committee of the Draft NEP 2019 and **Dr Viraj Kumar**, Member, Technical Secretariat to the Dr K. Kasturirangan Committee for preparation of the National Education Policy and Member, Technical Secretariat to the Steering Committee for the development of the National Curriculum Framework (hereinafter collectively referred to as "**Co-Principal Investigators**" or "**Co-PIs**") have been tasked by Pupilfirst with the following responsibilities in connection with the implementation of the LITE Digital Classrooms ("**Research Purpose**"):

(i) They shall set up and manage the Learning Engineering, Analytics & Research Network (LEARN), as part of the LITE Digital Learning Engine to observe, analyse and provide guidelines and recommendations to AICTE and other regulatory bodies to further innovate the teaching-learning pedagogies under the LITE Programme.

(ii) They shall share a report with AICTE/Regulators on their observations based on their research for improving the implementation guidelines of the LITE Programme ("**Observations and Research Reports**").

In connection with the Research Purpose, the Co-PIs shall be given access to data regarding the delivery/management of Courses by Pupilfirst. The data shared with them will be purely for the Research Purpose and the same will not be released to third parties. Further, no personal data (such as names, email ids and other such personally identifiable information) will be shared with the Co-PIs.

A copy of the Observation and Research Reports shall be shared with the Institute to enable it to undertake continuous improvements to increase the efficiency of the LITE Classroom.

9.3 The Curriculum of the Courses is available under a Creative Commons Attribution-ShareAlike 4.0 International License.

9.4 Pupilfirst LMS is open-source, and its License details are available at <https://github.com/pupilfirst/pupilfirst/blob/master/LICENSE>. Pupilfirst grants to the Institute, a limited, revocable license to the Platform for use by its staff, faculty members and other staff participating in the implementation of the LITE Programme and the delivery of Courses to the students and for the use of students who are on-boarded for availing the Courses. The said license is limited to the duration of the delivery of the Courses and shall be used solely in connection with the implementation of the LITE Programme and delivery of the Courses and for no other purpose.

9.5 All intellectual property rights in and to the Platform is solely and exclusively owned by Pupilfirst and neither the Institute nor any of their employees, consultants, students, teachers etc. who have access to the Platform during the duration of the delivery of the Courses or in connection with the implementation of the LITE Programme, shall have any rights to the Platform or have access to the same after the completion of the Courses/completion of the LITE Programme implementation as the case may be. It is however clarified that intellectual property rights in any project/product developed by a faculty member or student shall belong solely to the said student/faculty member and Pupilfirst shall not have any rights to the said intellectual property rights.

9.6 Pupilfirst reserves the right to cancel forthwith the license granted to access the Platform to the Institute and/or any of its employees, consultants, students, teachers etc. if it believes that any of the said persons are using the Platform in violation of the terms under which the license to the same is being granted hereunder (including but not limited to those set out in this MOU or such other terms as may be notified by AICTE or Pupilfirst from time to time).

## **10. Exclusive Curriculum for AICTE Affiliated Institutes**

AICTE affiliated institutes and other educational institutions under the LITE Programme shall have exclusive access to the dynamically updated NEAT and AICTE Model Curriculums. This MOU is a non-exclusive collaboration for Institute and Pupilfirst and does not restrict either Party from collaborating with other persons/entities to offer course/programmes similar to the Courses/LITE Programme anywhere.

## **11. Severability**

If any provision of this MOU is or becomes invalid, illegal or unenforceable under the laws of any jurisdiction, then such provisions shall (so far as it is invalid or unenforceable) be given no effect and shall be deemed to be not included in this MOU but without invalidating any of the remaining provisions of this MOU, which shall not in any way be affected or impaired. The Parties hereto shall then use all reasonable endeavors to replace the invalid or unenforceable provision with a valid and enforceable and mutually satisfactory substitute

## 16. Notices

The Parties agree that any notices that are required to be given under this MOU shall be given in writing, sent by registered post, return receipt requested, to the principal place of business/addresses of the Parties as set forth hereinabove or to the email ids of the Parties as set out below:

Email address of Pupilfirst: **wd@pupilfirst.org**

Email address of Institute: **principal@aceec.ac.in**

The Email id of AICTE for forwarding the copies of any communications exchanged between the Parties where required is: **director.fdc@aicte-india.org & advatal@aicte-india.org**

## Schedule 1

### Details of the Courses & NEAT Course Fee

The Courses (including the Web Development 101, Web Development 201 Web Development 301 and Web Development 401) will be offered at the Institute to applicable students subject to them qualifying the selection criteria set by Pupilfirst and that will be communicated to the Institute, starting from Academic Year 2022-23 as a Minor Degree (Table 1) **or** as Open Electives (Table 2), as approved by parent University or approving authority of a particular institute.

The Courses and credits are outlined in the table below:

**Table 1: Advanced Web Development Courses for Minor Degree**

Course Structure						
S.No.	Course Code	Title	L	T	P	Credits
1	WD101	<b>Web Development 101*</b> Getting started with JavaScript	0	1	0	1
2	WD201	<b>Web Development 201</b> Server-Side Programming with Node.js	0	6	0	6
3	WD301	<b>Web Development 301</b> Front-end development with React & TypeScript	0	6	0	6
4	WD401	<b>Web Development 401</b> Getting ready for production	0	0	10-14	5-7
<b>TOTAL</b>			<b>0</b>	<b>13</b>	<b>10-14</b>	<b>18-20</b>

\*WD101 will be taken by students as an Interest-based Admission Test (IBAT) and those who complete it will be eligible for WD201.

**Table 2: Advanced Web Development Courses as Open Electives**

Course Structure							
S.No.	Course Code	Title	L	T	P	Credits ***	
1	WD101	<b>Web Development 101**</b> (Getting started with JavaScript) will be given as an Interest-based admission test (IBAT) to enroll in WD 201					
2	WD201	<b>Web Development 201***</b> Server-Side Programming with Node.js	0	4-6	0	4-6	
3	WD301	<b>Web Development 301***</b> Front-end development with React & TypeScript	0	4-6	0	4-6	
4	WD401	<b>Web Development 401***</b> Getting ready for production	0	0	8-14	4-7	

**\*\* WD101 (Getting started with JavaScript)** will be given as an Interest-based Admission Test (IBAT) and students who complete WD 101 within the timeline provided will be eligible to take WD201 as an Open Elective. And subsequently, students can take WD301 and WD401 in successive semesters.

**\*\*\*Credits recommended for WD201, WD301 and WD401 of up to 6, 6 and 7 respectively are only recommendations. Institutes can assign credits to these Courses within the range specified in Table 2 as per their own internal regulations.**

Additional Courses may be added, or certain Courses removed, as mutually agreed by the Parties from time to time.

**Table 3:** The NEAT approved Course Fees are listed below:

S.No.	Product NEAT ID	Course Name	AICTE Approved Course Fee Per Student (excluding government applicable taxes) (In Rupees)
1.	NEAT2020477_PROD_1 0	Web Development 101	—
2	NEAT2020477_PROD_4	Web Development 201	10,000
3.	NEAT2020477_PROD_1 5	Web Development 301	10,000

Web Development 401 Course is yet to be approved by NEAT. Institutes will be informed once the Course is approved and AICTE publishes the applicable Course Fee (*excluding government applicable taxes*).

**Manner of paying the NEAT Course Fee as per Table 3**

For fees paid by the Institute: Online Bank Transfer of the NEAT Course Fee for each Course along with taxes as applicable, shall be paid in 2 equal installments subject to Pupilfirst raising invoices for the same - 50% of the NEAT Course Fees for each Course shall be payable on or prior to the commencement date of the said Course and 50% upon completion of the said Course within 15 (fifteen) days from the last day of the Course.

For fees paid by the students: Students shall directly pay the Course Fee for each Course in one installment over the payment link shared by Pupilfirst or a third party on behalf of Pupilfirst, before commencement of the Course along with taxes as applicable.

## Annexure 1

### Key responsibilities of stakeholders

#### **Key responsibilities of AICTE**

- Approve respective courses in the Advanced Web Development programme and respective course fees via NEAT.
- Approve and publish the model curriculum for Advanced Web Development Programme.
- Issue training certificates to the faculty members who complete the faculty development programme successfully.
- Issue letters to Vice Chancellors of universities to facilitate and support for integration of Advanced Web Development courses in their affiliating institutes.
- Review progress of Advanced Web Development integration status periodically and issue guidelines and regulations to universities and institutes as applicable.
- Review the research findings and policy recommendations to decide on further course of action benefitting to achieve the goals set-out by the LITE initiative.

#### **Key responsibilities of Parent University Vice Chancellor**

- Circulate the Advanced Web Development curriculum approved by AICTE within the university academic bodies for approval.
- Issue approval of the Advanced Web Development Curriculum to be introduced to students enrolled in the institutes affiliated to the university as Minor Degree/Open Electives.
- Issue minor degree certificates to students who complete the Advanced Web Development courses prescribed as a part of the minor degree.
- Intimate heads of affiliated/autonomous institutes under the parent university for completing necessary institute-level processes towards integrating the Advanced Web Development courses as Minor Degree/Open Electives at the respective institutes.

#### **Key responsibilities of Institute Head**

- Inform the university Vice Chancellor and other university officials and request support for integration of Advanced Web Development courses as Minor Degree/Open Electives.
- Enter into a Memorandum of Understanding (MoU) with Pupilfirst.
- Provide support to the faculty member towards getting AICTE approved LITE Advanced Web Development curriculum approved by the Institute academic council or any other regulatory bodies.
- Support faculty member to include scheduled hours within the academic timetable of the selected students for the Advanced Web Development courses as a part of the Minor Degree/Open Electives.
- Reduce the regular academic/administrative workload of faculty members for contributing to Advanced Web Development course integration, taking the courses themselves (if interested) and who upon completion of the courses will also be supporting the course delivery.
- Provide guidance and support to faculty members to create awareness about the Advanced Web Development programme among students in the Institute.
- Support faculty member in course implementation, as needed.

## Key responsibilities of LITE Faculty member

*Covers the list of responsibilities after selection of LITE Faculty members by the Pupilfirst team*

- Coordinate with the Institute in the MOU signing process.
- Get comfortable with the LITE Advanced Web Development implementation related documents, including faculty best practices, course outlines, Q&A document, policy documents etc. shared by Pupilfirst team.
- Share updates to Pupilfirst on academic information (academic calendar, department and semester information etc.) as requested, after discussing with the head of the Institute.
- Coordinate with the Institute and University in facilitating the mandatory minor degree/open electives approvals for integration from:
  - Parent University
  - Institute Academic Council or any other institute regulatory body
- Plan for creating awareness about LITE Advanced Web Development programme among students, through the necessary information as shared by Pupilfirst team.
- Coordinate within the Institute to plan for scheduled hours within the academic timetable of the selected students for the Advanced Web Development courses as a part of the Minor Degree/Open Electives.
- Coordinate with students to submit application forms, assist Pupilfirst team in students selection and facilitate course fee payments by the selected students within the time duration specified by the Pupilfirst team.
- Assist Pupilfirst team with course management tasks as requested to ensure students progress and meet the course outcomes.

## Key responsibilities of Student

*Covers the list of responsibilities after selection by the Pupilfirst team*




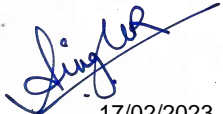

- Plan to progress regularly in the Advanced Web Development courses as part of Minor Degree/Open electives in Advanced Web Development programme based on the course calendar shared by Pupilfirst team.
- Ask and answer questions from peers about the course on Advanced Web Development Community on the Pupilfirst LMS.
- Reach out to LITE faculty member in case of any questions or issues outside the course.
- Follow the Pupilfirst school Code of conduct through the course.
- Strive to meet the course outcomes towards better learning and opportunities.
- Interested students will be provided an opportunity to join as a Teaching Assistant , where possible, for assisting upcoming students batches in their learning.

## Key responsibilities of Pupilfirst

- Onboard and work with Industry experts who will develop and provide a learner-centred, Industry relevant, competency-based curriculum for students and ensuring periodical updates to meet with industry standards.
- Onboarding Teaching Assistants to facilitate learning for students.
- Develop continually and provide a Learning Management System where students and coaches can engage in learning.

- Coordinate with AICTE to facilitate approvals and announcement notice/letters towards integrating the Advanced Web Development courses as Minor Degree/ Open Electives.
- Share necessary resources with institutes towards integrating Advanced Web Development courses.
- Appoint LITE faculty members from institutes and conduct faculty development programme for those interested.
- Share resources for student awareness, selection, course delivery and management upon completion of approval formalities by the institute.
- Monitor learning and progress of students and updating LITE faculty member and head of institute.
- Gather regular feedback from various stakeholders to enhance the quality of course content and learning process for students.
- Periodically communicate with AICTE on status updates on integrating the Advanced Web Development programme, student course progress, feedback and observations.
- Work with external research group and publish results and policy recommendations.

The Parties have read the Memorandum of Understanding dated **21-01-23** (“MOU”) from pages 1 to 17 (including Clauses 1 to 16 of the MOU as well as Schedule 1 and Annexure 1 of the MOU) and have accepted and agreed to all the terms set out therein and in witness whereof the respective authorized persons of the Parties have accordingly affixed their signatures below:

For Pupilfirst	For Institute
<b>Name:</b> Suma Sundararajan 	<b>Name:</b> Dr.BL. RAJU 
<b>Title:</b> Director	<b>Title:</b> PRINCIPAL 
<b>Date:</b> February 20, 2023	<b>Date:</b> 21-01-23
<b>Witness:</b> Dr. Reena Singh, Senior Manager - Course Operations  17/02/2023	<b>Witness:</b> K.SHIVA KUMAR Asst.professor 



Seal of the institute