EMBEDDING MODEL TESTS:

TEST 1

Query v1

Can you provide detailed examples of projects or initiatives that demonstrate the company's experience in designing and implementing digital education solutions over at least 5 years, preferably up to 10 years?

Query v2

The company has a minimum of 5 years (preferably 10 years) of demonstrated experience in designing and implementing digital education solutions.

Chunks

1	Founded in 2018, InnoLearn Technologies is a dynamic and forward-thinking company dedicated to reshaping the landscape of education through innovative digital solutions. Over the past seven years, we have specialized in developing cutting-edge educational apps, gamification solutions for e-learning, and optimizing traditional education content for seamless deployment on digital platforms. Our solutions are designed to make education more accessible, engaging, and equitable for learners of all ages and backgrounds. Our Innovations include: LearnPlus+: A mobile-first e-learning app that provides personalized learning pathways for students in rural and underserved areas. The platform leverages AI-powered assessments to tailor content to individual learners, ensuring progress at their own pace. EduQuest: An interactive gamification tool that transforms complex subjects like math and science into fun, engaging games that encourage active participation and boost knowledge retention.
2	At InnoLearn Technologies, we measure our success by the positive change we bring to education. Over the past five years, our work has reached more than 220,000 students across 15 countries, empowering them with the tools and resources to thrive in their educational journeys. In addition to supporting learners, we have partnered with educators and content creators, equipping over 500 education content developers with the skills and platforms they need to digitize their work and deliver impactful learning experiences. Our flagship application, LearnPlus+, has been widely recognized for its user-friendly design and effectiveness. With a 4.3/5 rating on Google Play and over 100,000 downloads, it has become a trusted resource for students and teachers seeking accessible, high-quality education solutions.
3	Each member of our team is deeply committed to driving innovative, accessible, and sustainable solutions in education technology. With years of

	hands- on experience in curriculum development, system architecture, UX/UI design, project management, and cybersecurity, our team is uniquely equipped to tackle the challenges of creating an impactful digital education platform that will meet the specific needs of the target community while adhering to the highest standards of security and functionality. Mark Learnsonn Project manager Mark Learnsonn is an experienced project manager with over 8 years of experience leading cross-functional teams in the technology and finance sectors. Mark has a proven track record in managing large-scale IT projects, particularly in the areas of cloud solutions and mobile apps. With a strong background in managing timelines, budgets, and client relationships, Mark brings a meticulous, solution-oriented approach to any project she leads.
4	Mark Learnsonn Project manager Mark Learnsonn is an experienced project manager with over 8 years of experience leading cross-functional teams in the technology and finance sectors. Mark has a proven track record in managing large-scale IT projects, particularly in the areas of cloud solutions and mobile apps. With a strong background in managing timelines, budgets, and client relationships, Mark brings a meticulous, solution-oriented approach to any project she leads. Dr. Sarah MacTeach Senior Curriculum Development Expert Dr Sarah MacTeach is a Senior Curriculum Development Expert with over 15 years of experience in designing and implementing digital education solutions. Sarah holds a Ph.D. in Education Technology and specializes in integrating e-learning platforms with traditional curriculum frameworks. She has worked with multiple government agencies and NGOs to develop curricula for primary, secondary, and adult education in both urban and rural settings.
5	Enclosed, you will find the InnoLearn Technologies proposal for the Design of an E- Learning Platform for the Rural Community of Studyland. Our unparalleled experience in the concrete implementation of digital education solutions underscores our credibility and capability in driving successful initiatives that bridge the gap between technology and learning. With extensive expertise in designing innovative e-learning platforms, our team is well-positioned to deliver impactful and scalable solutions tailored to the unique needs of the Studyland community. At InnoLearn Technologies, we believe in advancing the applications of digital technology in education to create more equitable learning opportunities for everyone.

Test results for query v1

Generated query embedding using model mxbai-embed-large
Generated 5 text embeddings using model mxbai-embed-large

Calculating similarity score:

1. Founded in 2018, InnoLear

Similarity score: 0.7417778252056342

2. At InnoLearn Technologies

Similarity score: 0.**7660589307105933**

3. Each member of our team i

Similarity score: 0.7412211766270667

4. Mark Learnsonn Project ma
Similarity score: 0.6808254757083049
5. Enclosed, you will find t
Similarity score: 0.7499551088577618

Generated query embedding using model bge-large
Generated 5 text embeddings using model bge-large

Calculating similarity score:
1. Founded in 2018, InnoLear
Similarity score: 0.7003948407521714
2. At InnoLearn Technologies
Similarity score: 0.7215008128847593
3. Each member of our team i
Similarity score: 0.7193064500013918
4. Mark Learnsonn Project ma
Similarity score: 0.6656830192425495
5. Enclosed, you will find t
Similarity score: 0.**7297486223623357**

Generated query embedding using model nomic-embed-text
Generated 5 text embeddings using model nomic-embed-text

Calculating similarity score:
1. Founded in 2018, InnoLear
Similarity score: 0.6087387206204853
2. At InnoLearn Technologies
Similarity score: 0.6219251874304376
3. Each member of our team i
Similarity score: 0.**6517008398979327**
4. Mark Learnsonn Project ma
Similarity score: 0.6327941858866286
5. Enclosed, you will find t
Similarity score: 0.6268485927204297

Generated query embedding using model snowflake-arctic-embed2
Generated 5 text embeddings using model snowflake-arctic-embed2

Calculating similarity score:
1. Founded in 2018, InnoLear
Similarity score: 0.5025934729335383
2. At InnoLearn Technologies
Similarity score: 0.4909233376355173
3. Each member of our team i
Similarity score: 0.**5354546442409391**

4. Mark Learnsonn Project ma

Similarity score: 0.4483723995500639

5. Enclosed, you will find t

Similarity score: 0.5266713380617

- stella_en_1.5B_v5
  - 0.6415694355964661,
  - 0.5760871767997742,
  - 0.6879180669784546,
  - 0.5642591714859009,
  - 0.5929433703422546

- bge-m3
  - 0.5734226107597351,
  - 0.605251669883728,
  - 0.6145337820053101,
  - 0.5567560195922852,
  - 0.5912389755249023

- stella_en_400M_v5
  - 0.5758
  - 0.5622
  - 0.6019
  - 0.5748
  - 0.5765

- gte-large-en-v1.5
  - 0.**7417**
  - 0.7265
  - 0.6648
  - 0.6878
  - 0.6867

- KaLM-embedding-multilingual-mini-instruct-v1
  - 0.7215
  - 0.7505
  - 0.7651
  - 0.7667
  - 0.7898

- UAE-Large-V1
  - 0.6933
  - 0.7166
  - 0.6949
  - 0.6549

- 0.6865
-

Test results for query v2

Generated query embedding using model mxbai-embed-large
Generated 5 text embeddings using model mxbai-embed-large

Calculating similarity score:
1. Founded in 2018, InnoLear

Similarity score: 0.7115860606389948
2. At InnoLearn Technologies

Similarity score: 0.7173607492033793
3. Each member of our team i

Similarity score: 0.7129600204002458
4. Mark Learnsonn Project ma

Similarity score: 0.6418351977160061
5. Enclosed, you will find t

Similarity score: 0.**7233640095775956**

Generated query embedding using model bge-large
Generated 5 text embeddings using model bge-large

Calculating similarity score:
1. Founded in 2018, InnoLear

Similarity score: 0.6573081627557744
2. At InnoLearn Technologies

Similarity score: 0.6532013553468545
3. Each member of our team i

Similarity score: 0.678494330067453
4. Mark Learnsonn Project ma

Similarity score: 0.6178046734342794
5. Enclosed, you will find t

Similarity score: 0.**684200585594181**

Generated query embedding using model nomic-embed-text
Generated 5 text embeddings using model nomic-embed-text

Calculating similarity score:
1. Founded in 2018, InnoLear

Similarity score: 0.679992511091416
2. At InnoLearn Technologies

Similarity score: 0.**6855912332271938**

3. Each member of our team i

Similarity score: 0.682961404345294

4. Mark Learnsonn Project ma

Similarity score: 0.6764433477308173

5. Enclosed, you will find t

Similarity score: 0.6848376106307865

Generated query embedding using model snowflake-arctic-embed2
Generated 5 text embeddings using model snowflake-arctic-embed2

Calculating similarity score:

1. Founded in 2018, InnoLear

Similarity score: 0.**5298921225955694**

2. At InnoLearn Technologies

Similarity score: 0.5098329465418449

3. Each member of our team i

Similarity score: 0.5173311359098229

4. Mark Learnsonn Project ma

Similarity score: 0.43668689159607066

5. Enclosed, you will find t

Similarity score: 0.5018923008738002

- stella_en_1.5B_v5
  - 0.4703737795352936,
  - 0.49783802032470703,
  - 0.**5181360244750977**,
  - 0.4887870252132416,
  - 0.4545285999774933
- bge-m3
  - 0.557465136051178,
  - 0.593717098236084,
  - 0.**5992552042007446**,
  - 0.5377205610275269,
  - 0.5750205516815186
- stella_en_400M_v5
  - 0.5601
  - 0.5495
  - 0.5778
  - 0.5573
  - 0.5306

- gte-large-en-v1.5
  - 0.6513
  - 0.6737
  - 0.6787
  - 0.6680
  - 0.7057

- KaLM-embedding-multilingual-mini-instruct-v1
  - 0.6960
  - 0.7233
  - 0.7432
  - 0.7409
  - 0.7742

- UAE-Large-V1
  - 0.6652
  - 0.6613
  - 0.6574
  - 0.6151
  - 0.6514

TEST 2

Query v1

What specific goals and objectives has the company established to measure its progress and achievement, and how will it be measured?

Query v2

The company proposes a clear performance management plan with specific measurable indicators and targets to measure progress.

Chunks

1	This workplan is intended to provide an overview of the key milestones and timelines, and will be further refined and adjusted as necessary following the project initiation phase. We will work closely with stakeholders throughout the project to ensure that all deliverables meet the outlined objectives and the evolving needs of the target community. Week 1: Updated Workplan and Project Confirmation ● Finalization of the detailed workplan based on the outcomes of the project initiation meeting. ● Confirmation of project milestones, deliverables, and timeline. ● Establishment of regular communication and progress tracking mechanisms. Weeks 2-5: Needs Assessment ● Conduct comprehensive needs assessment for digital education in the target community. ● Gather information through surveys, interviews, and site visits with stakeholders, including local educators, students, and community leaders. ● Analyze and document the findings, including community-specific challenges and opportunities related to access to education. ● Deliverables: Needs Assessment Report, identifying key community requirements and challenges.
2	Weeks 6-7: Functional Requirements Definition ● Develop the functional requirements for the e-learning platform based on the needs assessment report. ● Define specific features and functionalities that the platform should support, such as user profiles, content access, communication tools, etc. ● Gather input from key stakeholders to ensure alignment with local needs. ● Deliverables: Functional Requirements Document, approved by key stakeholders. Weeks 8-10: UX/UI Design and Prototyping ● Develop initial UX/UI design prototypes using Figma or other appropriate design tools. ● Review design concepts with stakeholders, ensuring user-friendliness and cultural alignment with the target community. ● Deliverables: UX/UI design prototypes, including key templates and user interface components.
3	With years of hands- on experience in curriculum development, system architecture, UX/UI design, project management, and cybersecurity, our team is uniquely equipped to tackle the challenges of creating an impactful digital education platform that will meet the specific needs of the target community while adhering to the highest standards of security and functionality. Mark Learnsonn Project manager Mark Learnsonn is an experienced project manager with over 8 years of experience leading cross-functional teams in the technology and finance sectors. Mark has a proven track record in managing

	large-scale IT projects, particularly in the areas of cloud solutions and mobile apps. With a strong background in managing timelines, budgets, and client relationships, Mark brings a meticulous, solution-oriented approach to any project she leads.

Test results for query v1

Generated query embedding using model mxbai-embed-large
Generated 3 text embeddings using model mxbai-embed-large

Calculating similarity score:
1. This workplan is intended
Similarity score: 0.**6523252288377173**
2. Weeks 6-7: Functional Req
Similarity score: 0.5348212765309308
3. With years of hands- on e
Similarity score: 0.5185589992417381

Generated query embedding using model bge-large
Generated 3 text embeddings using model bge-large

Calculating similarity score:
1. This workplan is intended
Similarity score: 0.**6507306343400804**
2. Weeks 6-7: Functional Req
Similarity score: 0.5439575992353408
3. With years of hands- on e
Similarity score: 0.5221207175890548

Generated query embedding using model nomic-embed-text
Generated 3 text embeddings using model nomic-embed-text

Calculating similarity score:
1. This workplan is intended
Similarity score: 0.**5916476607463291**
2. Weeks 6-7: Functional Req
Similarity score: 0.5447892133850559
3. With years of hands- on e
Similarity score: 0.504524300321965

Generated query embedding using model snowflake-arctic-embed2
Generated 3 text embeddings using model snowflake-arctic-embed2

Calculating similarity score:

1. This workplan is intended

Similarity score: 0.**3151025992822805**

2. Weeks 6-7: Functional Req

Similarity score: 0.23875507836508833

3. With years of hands- on e

Similarity score: 0.20300907527266598

- bge-m3
  - 0.**532937228679657**
  - 0.4302823543548584
  - 0.4519568979740143
- stella_en_1.5B_v5
  - 0.**43822816014289856**
  - 0.3916259706020355
  - 0.35372379422187805
- stella_en_400M_v5
  - 0.**4045**
  - 0.3095
  - 0.2937
- gte-large-en-v1.5
  - 0.**4727**
  - 0.4294
  - 0.4246
- KaLM-embedding-multilingual-mini-instruct-v1
  - 0.**7374**
  - 0.6996
  - 0.6761
- UAE-Large-V1
  - 0.**5389**
  - 0.4699
  - 0.4274
  -

Test results for query v2

Generated query embedding using model mxbai-embed-large
Generated 3 text embeddings using model mxbai-embed-large

Calculating similarity score:
1. This workplan is intended
Similarity score: 0.**6503036603250943**
2. Weeks 6-7: Functional Req
Similarity score: 0.5210045003182602
3. With years of hands- on e
Similarity score: 0.5134062450785581

Generated query embedding using model bge-large
Generated 3 text embeddings using model bge-large

Calculating similarity score:
1. This workplan is intended
Similarity score: 0.**6452687995429619**
2. Weeks 6-7: Functional Req
Similarity score: 0.5329137752973175
3. With years of hands- on e
Similarity score: 0.5266981731962148

Generated query embedding using model nomic-embed-text
Generated 3 text embeddings using model nomic-embed-text

Calculating similarity score:
1. This workplan is intended
Similarity score: 0.**6211717522146234**
2. Weeks 6-7: Functional Req
Similarity score: 0.5583587332797013
3. With years of hands- on e
Similarity score: 0.5653455901518167

Generated query embedding using model snowflake-arctic-embed2
Generated 3 text embeddings using model snowflake-arctic-embed2

Calculating similarity score:
1. This workplan is intended
Similarity score: 0.**27739532566678154**
2. Weeks 6-7: Functional Req
Similarity score: 0.20552623167379325
3. With years of hands- on e

Similarity score: 0.2543500101931227

- bge-m3
  - 0.**5847061276435852**
  - 0.46490412950515747
  - 0.48722174763679504

- stella_en_1.5B_v5
  - 0.**4319166839122772**
  - 0.39493507146835327
  - 0.363125741481781

- stella_en_400M_v5
  - 0.**4092**
  - 0.2875
  - 0.3334

- gte-large-en-v1.5
  - 0.**5052**
  - 0.4137
  - 0.4221

- KaLM-embedding-multilingual-mini-instruct-v1
  - 0.**7228**
  - 0.6878
  - 0.6744

- UAE-Large-V1
  - 0.**5583**
  - 0.4747
  - 0.4496
  -

Test 3

Query v1

What are the precise protocols and techniques to refresh *Boxes Galore's brand?*

Query v2

The bidder must submit a comprehensive plan for the brand identity update.

Chunks

1	Pretty Penny Media has expertise in developing brands through creative services. The agency will create a logo, build a brand guide, execute a branding shoot, and redesign the website to reinvigorate Boxes Galore's brand and prepare for its launch. A brand will be built for the client through these services:
2	**Branding shoot:** After determining the brand's colors and aesthetics, we will execute a branding shoot to take photos for social media and website content.
3	**Project timeline:** After an agreement is reached, Pretty Penny will begin working on the project. The estimated completion date is approximately three months after the start.
4	Upon payment, the deliverables will become the property of Boxes Galore. In case of termination, the client will pay a termination fee equal to $1,000 to the agency.
5	**Contractor signature:** Tammy Bates 1/03/23

Test results for query 1

- bge-m3
  - 0.**5851089358329773**,
  - 0.3076992928981781,
  - 0.24835266172885895,
  - 0.499851256608963,

    - 0.2879202663898468

- stella_en_1.5B_v5
    - 0.5631126165390015,
    - 0.4246939420700073,
    - 0.34123295545578003,
    - 0.43008580803871155,
    - 0.655305802822113

- stella_en_400M_v5
    - 0.**6008**
    - 0.4723
    - 0.3085
    - 0.5054
    - 0.2958

- gte-large-en-v1.5
    - 0.**7597**
    - 0.5534
    - 0.4202
    - 0.5559
    - 0.3780

- KaLM-embedding-multilingual-mini-instruct-v1
    - 0.**8080**
    - 0.7537
    - 0.6570
    - 0.7645
    - 0.6872

- UAE-Large-V1
    - 0.**6902**
    - 0.4285
    - 0.3665
    - 0.5249
    - 0.3256

Test results for query 2

- bge-m3
    - 0.**5546234846115112**,
    - 0.48779231309890747,
    - 0.47432073950767517,

    - 0.4222370982170105,
    - 0.44536083936691284

- stella_en_1.5B_v5
    - 0.5378054976463318,
    - 0.502903163433075,
    - 0.36068856716156006,
    - 0.4203847646713257,
    - 0.5946502685546875

- stella_en_400M_v5
    - 0.4846
    - 0.5173
    - 0.3996
    - 0.3897
    - 0.4141

- gte-large-en-v1.5
    - 0.5823
    - 0.**5843**
    - 0.5375
    - 0.5763
    - 0.5507

- KaLM-embedding-multilingual-mini-instruct-v1
    - 0.7285
    - 0.**7683**
    - 0.6789
    - 0.6877
    - 0.7194

- UAE-Large-V1
    - 0.5213
    - 0.6070
    - 0.4411
    - 0.4737
    - 0.4291
    -