INFS2631 Study Notes

Week 1: Recognising and Shaping Opportunities

	Explanation
Topic	Explanation
How is an idea	Idea: entrepreneurs might get ideas from recognising unmet market needs or
different from	solutions to a compelling market need (engage deeply with each other and finds
an opportunity?	patterns)
	Entrepreneurial opportunity: the chance to meet a market need through a
	creative combination of resources to deliver superior value
Recognising	Opportunity recognition and shaping is comprised of three activities;
and shaping	1. Recognising an unmet market need or a new technology or capability
opportunities	that can could meet a need that has yet to be identified
	2. Craft a business model that defines the fit between those unmet
	market needs and the capabilities and resources available to an
	entrepreneur
	3. Create a product or service that can be delivered to a market
	segment that values this solution and does so in a way that
	generates value for all stakeholders
Lessons from 3	a) Entrepreneurs all has personal, educational and professional experience and
Entrepreneurial	networks that helped them recognise a good idea in emerging trends
journeys	b) Entrepreneurs recognised that having an idea was just the first step; they needed
	to shape it into a viable business opportunity by engaging potential customers,
	advisers, experts and seeking information that could help them link their
	understanding of the market need to a unique solution
	c) Entrepreneurs narrowed their focus to find a market entry point that could be
	tested, refined and then used as a platform for developing the business to its full
	potential
	 Focus on smallest problem you could solve first and iterate
2 critical forms	Professionals and experts rely on 2 forms of thinking when making decisions:
of thinking for	a) Intuitive (gut) thinking: is creative, associative and fast
entrepreneurs	b) Analytical thinking: is controlled, rational and relatively slow (useful for
	solving problems by breaking them down)
	Generating ideas \rightarrow entrepreneurs rely on <u>intuition</u> to recognise trends, patterns that
	indicate potential opportunities
	Shaping opportunities → entrepreneurs require more <u>analytical</u> and rational process of
	developing hypotheses, testing them through experiments and adjusting their business
	model
Ideation process	Sources of ideas:
(Most common	Replicated or modified an idea seen elsewhere, e.g. Telepizza, Zipcar
way for starting	 Chance encounter with co-founder – Pyra Labs (Blogger), Twitter
a venture)	There is no single path that entrepreneurs follow as they identify ideas.
,	The most common way for identifying ideas is replicating an existing idea from another
	geography or industry and modifying it for their geography and industry, e.g.
	1 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3

Telepizza.

<u>Benefits:</u> Easier to validate the business model and valuate through competitors. <u>Disadvantages:</u> what would be the significant competitive advantages, competitive forces

RECOGNISING OPPORTUNITIES

Three components of Creativity (EMC)

Three components help frame how entrepreneurs recognize opportunities.

- Expertise: includes the experiences, education and knowledge of the entrepreneur and of co-founders and important contributors. Larger network → broader space for identifying patterns.
- 2. Motivation: internal passion and interests and external rewards
 - Internal motivation drives creativity → fuels passion needed to persevere through false starts of developing a new business
- 3. **Creative thinking skills:** the way people approach and solve problems and put existing ideas together in new combinations
 - Skills enable creative individuals to see new patterns and refine these patterns until they identify a solution to a market need



5 Discovery Skills (AQONE)

Five discovery skills that characterize innovative and successful entrepreneurs:

- 1. Associating: connecting seemly unrelated questions, problems or ideas
- 2. **Questioning:** asking questions that challenge conventional wisdom and the status quo
- 3. **Observing:** scrutinizing common phenomena, particularly the behavior of customers
- 4. **Networking:** cultivating a network with diverse perspectives, expertise and experiences
- 5. **Experimenting:** reducing uncertainty by designing focused experiments to test assumptions and "learn by doing"

SHAPING OPPORTUNITIES

Successful entrepreneurs are advised to craft a business model that identified the unique strategy they wish to pursue, defines the resources and capabilities required to execute the strategy and identifies how founders will assemble them and explain how the venture will deliver value to all stakeholders.

Crafting a business model for a new venture

Highly iterative process

It involves three decisions:

- 1. Defining a unique strategy that differentiates the new venture from alternatives
- 2. Identifying the resources and capabilities required to execute the strategy
- 3. Identifying the compelling benefits and value proposition for key stakeholders (including cash flow forecasts important for investors)

Defining a unique strategy

Strategy involves choices and decisions including:

- ⇒ The industry within which the venture will compete
- ⇒ Markets to serve, needs that will be met, timing for entering market
- ⇒ Products, services and solutions that will be sold, timing for rollout
- ⇒ Price of offerings and how it differentiates from alternatives
- ⇒ Key stakeholders that make up the business ecosystem

Strategy decisions fall into 3 broad areas:

- 1. Overall context and size of the opportunity
- 2. Product-market positioning at entry and how will it change as the business grows
- **3. Business network or ecosystem** of customers, suppliers, partners, investors and advisers that the venture will need in order to develop its offerings and take them to the market

Strategic growth options:

- 1. **Enhance:** make incremental improvements to an existing product or channel to market
- 2. **Expand:** launch new products (similar to current products) OR enter new markets (similar to current markets)
- 3. **Explore:** launch new products AND enter new markets, e.g. launch a new business
- Requires change to product-market positioning, entry into new industry with new competitors and may require building new ecosystem and crafting new business model

Note: Although it is not a growth option, entrepreneurs should also consider whether to exit an existing product or market

Example: Telepizza

Initial idea to provide home-delivered pizza (product positioning) to families in Spain – especially time-pressed, dual career families in Spain's largest cities (market positioning). He tested this idea by opening a pizza delivery store near his home (entry positioning). He built his business model with rapid growth in mind – want to expand to global markets. After testing the initial concept by running the first two stores himself, he replicated his single-store business model in similar neighborhoods within the same city (same product, same market) while expanding into other Spanish cities with similar demographics (same product, adjacent market). He began opening Telepizza stores in new international markets, including Portugal and Latin America (same product, radically new market). Starting with pizza only, he later added healthy side dishes and salads (adjacent product). Finally, Telepizza branched out to launch dine-in, fast casual restaurants TeleGrill and TeleOriental (offering Chinese, Japanese and Indian foods) (new business).

Identifying Resources and Capabilities

Resources and capabilities include:

- Employees (or other firms) who perform activities
- Equipment, facilities, raw materials to develop products and services
- Connections and advisers needed to attract financing and other resources
- Leadership talent required to set direction and execute at launch

It is helpful for entrepreneurs to identify **key milestones** and resources and capabilities required for each milestone, e.g. developing IPO, entering and gaining traction in the market and achieving positive cash flow.

Table 1) Identifying a New Venture's Capability and Resource Requirements

- a) Go-to-market and operating models identifying activities, key suppliers and customers, information for coordinating and controlling core operations
- b) People and partners, including key roles and leaders identifying talent and expertise needed, advisers and partners to attract talent, key positions
- c) Organizational alignment and culture grouping people and partners in teams to enable them to work together to accomplish activities, identify key decisions and person with authority to make them, identify core values
- d) Leadership and governance identify key assumptions that drive cash flow forecasts, metrics and milestones to measure progress towards targets, develop testable hypotheses and design experiments to test them, identify how to

	determi	ne when to pivot, refine business model or exit	
	Assessment Area	Analysis	Sample Frameworks
	Go-to-market and operating models	 Identify activities needed to design and build the entry product or service Identify key suppliers and activities needed to procure materials, components, and services Identify key customers and the activities needed to market, sell, and serve them Identify how you will coordinate these activities to "reduce friction," remove bottlenecks, and ensure quality Identify core operating activities to be performed inside your organization and those that will be sourced from others Conduct the same analysis of activities needed to support noncore activities (e.g., finance, human resources) Identify information needed to coordinate and control core operations 	Process mapping Workflow modeling
	People and partners, including key roles and leaders	 Identify the talent and expertise needed (internal and external) to perform key activities and the approach for attracting, developing, motivating, assessing, and retaining top talent Identify advisers and other partners needed to attract talent and expertise Identify key positions—including leadership and specialized expertise—that must be filled to achieve key milestones 	Deming's system of organizational knowledge Talent management Private company compensation
	Organization alignment and culture	 Group people and partners into work teams that enable them to work together to accomplish the activities needed while protecting and developing expertise. (Note: Most new ventures start as simple, teambased structures that become more complex as the business grows.) Define coordinating mechanisms (teams, reporting relationships, information systems) that will enable people to coordinate work across team boundaries inside and outside the venture Identify key decisions and the person who will have the ultimate authority for making each Identify core values and the processes for communicating them; ensure that people make decisions and take actions that are consistent with them 	McKinsey 7S organizational alignment Mintzberg's organizational configurations Greiner's "Evolution and Revolution as Organizations Grow"
	Leadership and governance	 Identify key assumptions that drive cash flow forecasts and the metrics and milestones needed to measure progress toward achieving targets Develop testable hypotheses that underlie cash flow forecasts; design market-based experiments and performance-measurement systems to test the hypotheses Identify how to determine when to <i>pivot</i> and refine your business model or exit 	Wasserman's "founder's dilemmas" Discovery-driven growth Innovator's DNA Levers of control
Defining Value Created for Stakeholders	1. Stakeho stakeho 2. Stakeho tangible partners expecte 3. Cash florecast and con and ana identifyi	ying the Value Created for Key Stakeholders older identification and analysis – identify key into lders critical for achieving key milestones, rank in older benefits and value proposition – identify key and intangible benefits delivered to them, identify and conduct similar benefit analysis, identify find value and returns for key stakeholders ow forecast and scenario testing – identify key recash flow, identify key assumptions used to created duct scenario testing by defining best-case and lyzing the effects of changes in the assumptions as is launched	n order of importance y customers and utify key employees an d nancing needs and venue and cost drivers, ate cashflow forecasts worst-case assumptions on cash flow,

Assessment Area	Analysis	Sample Frameworks
Stakeholder identification and analysis	 Identify key internal and external stakeholders that will be critical for achieving key milestones (e.g., entering the market, achieving traction, and transitioning to growth) Map the stakeholders on a matrix on the basis of their importance to achieving a given milestone and their expectations of value they will receive in return for their contributions 	Stakeholder mapping
Stakeholder benefits and value proposition	 Identify key customers and the tangible and intangible benefits (e.g., the value proposition) that the venture will deliver to them, taking into account customers' direct and indirect costs Identify key employees and partners and conduct a similar benefit analysis Identify financing needs and expected value and returns for key stakeholders 	Customer lifetime value Service-profit chain Entrepreneurial finance and valuation tools
Cash flow forecast and scenario testing	 Identify key revenue and cost drivers; forecast cash flow Identify the key assumptions used to create best-case cash flow forecasts and conduct scenario testing by defining best-case and worst-case assumptions and analyzing the effect of changes in assumptions on cash flow Identify performance metrics that will be used to analyze progress as the business is launched and tested in the marketplace 	Cash flow analysis Scenario testing Fishbone analysis

Developing Cash Flow Forecasts

Process involves:

- 1. Identify assumptions on which choices are based
- 2. Use assumptions to develop cash flow forecasts
- 3. Use assumptions and cashflow forecasts to calculate metrics used to identify whether product-market positioning and resource decisions accurately reflect cash flow that will be generated once service is launched

Cash flow metric example using fishbone diagram (i.e. cause and effect diagram).



Fishbone diagrams can be used to help founders design experiments to test the relationship between business model assumptions and cash flow forecasts.

» Use this tool to review actual results and identify insights they gain from comparing the cash flow forecast assumptions to actual business results
In the example above, founders decided key cash flow metric they would track is operating margin. The key revenue drivers were number of customer checkouts and average total sale per checkout and the key cost drivers were broken down into fixed and variable costs.

SUPPLEMENTAL READING

Business Model Canvas

BMC is a tool you can use to define business models.

Key Activities: the most important activities in executing a company's value proposition

Key Resources: the resources necessary to create value for the customer **Partner Network:** in order to optimize operations and reduce risks of a business model, organization usually cultivate buyer-supplier relationships so they can focus on their core activity

Value proposition: the collection of products and services a business offers to meet the needs of its customers. A company's value proposition is what distinguishes itself from its competitors.

Customer segments: to build an effective business model, a company must identify which customers it tries to serve.

Channels: A company can deliver its value proposition to its targeted customers through different channels.

Customer relationships: to ensure the survival and success of any businesses, companies must identify the type of relationship they want to create with their customer segments.

Cost structure: this describes the most important monetary consequences while operating under different business models.

Revenue streams: the way a company makes income from each customer segment.

SalesLogic Case

Custom Consulting Model

- Value Proposition: Providing tailored software solutions for customer's unique needs
- Key Activities: Communicating with the clients, tailoring the service to the clients needs
- Key Resources: SalesLogic server, expertise & data resources
- Customer segments: People who have a unique business and their needs are not satisfied with off-the-shelf solution.
- Customer Channels: SalesLogic Server
- Customer Relationships: Typically one-to-one due to the individualized consulting advice
- Revenue Streams: One-time revenue per client, service fees per client
- Cost Structure: Analytical model creation, client servicing costs

Sample Exam Questions

Recent technology IPOs have ignored the concept of a multiple and other classical methods when valuing a business. What concept has influenced technology start-up IPO valuation and explain why this concept is influential? (5 Marks)

- So this is referring to the concept that more recently businesses have been valued based on the business model not on Revenue or Profit (e.g. Snap Chat).
- The advent of the internet has facilitated new and innovative business models through reduced transaction costs, enabling new products and services, giving access to new customers and markets and facilitating new pricing and revenue models
- We used Business Model Canvas to analyse a number of differed businesses. BMC looks at revenue streams, cost structures, channels, partners, key resources, key activities, value propositions, customer relationships and customer segments. The answers to all of these questions can have an impact on valuation.
- Whilst technology is the enabler of new business models, business models determine the value you can get out of technology.

Week 2: Developing Business Plans & Pitching Opportunities

Topic	Explanation				
Introduction	Busines	s Model (Opportuni	ty-shaping phase) > Busi	iness Plar	n & Business Pitch
2.1.		ormal Business Plann	· · · · · · · · · · · · · · · · · · ·		
Developing	1. Helps	investors evaluate w	ritten business plan befo	re select	ing entrepreneurs to
and Using	pitch i	n person	·		- ,
Business	2. Enable	es entrepreneurs to	debate critical assumptio	ns and ic	dentify <i>areas of</i>
Plans	uncert	tainty	·		
	3. These	assumptions along	with projected milestone	s are use	d to identify resources
	neede	ed and develop cash	flow forecasts which det	ermines	how much financing
	requir	ed and type of inves	stors needed		
	BUSINESS MO	DEL VS. BUSINESS PLA	1		
	Business M	1odel	Business Plan		Business Pitch
		ion of a concept	A document that articul	lates	A presentation that
	for a busines	ss that defines how	the proposed venture's		can be used to
	the organisa	tion will interact	business model and pro	ovides	communicate the
	with its envir	ronment, to define	significant additional de	etail on	business model to
	'	ategy, attract	a planned (or existing) v	venture.	stakeholders.
	resources an		Four types:		
	capabilities r	•	1. Traditional plan		
	execute the	••	2. Mini-plan		
	create value		3. Go-to-market plan		
	stakeholders	S.	4. Operating plan		
	L	Exhibit 1	Turning Ideas into Plans a	and Pitch	es
	EXT	Industry trends and disrupters signal high-impact opportunities.	IDEAS	are sufficient	al and investor
	CONTEXT	Favorable competitive, regulatory, societal context, and stakeholder interests, exist.	PEOPLE		pportunity is open in open long
			Firsthand Experience		
		There is a compelling need in the market.	Connections	Entry position platform for fi	provides a uture evolution.
	ITIES	Potential offering is attractive and differentiated.	Capabilities Passion Mind-set	Access to rescapabilities (e	
	OPPORTUNITIES	Customers are willing to pay, and distribution channels are available or can be created efficiently.	Milita set	partners) is en	nsured.
	0	Plan to implement, control risk, and reduce uncertainty.	OPPORTUNITIES SUPPORTED BY A LIVING BUSINESS PLAN	clarify risk an	
2.2. Creating	A business pla	an provides:			
a Business	Opportun	ity to test ideas & de	etermine whether viable	business	opportunities exist
Plan	Foundation	on for debating and	analysing critical assumpt	tions 🔿 d	developing financial
	forecasts	and designing early	experiments		
	Clarifies m				
	offering that will engage the market				
	Metrics us	sed to test assumption	ons and measure perform	nance as	the team works to

achieve key milestones

Approach to communicating with others about the business while raising money; assembling a team and attracting suppliers, customers and partners

2.2.1 Capturing Financial Information in a Business Plan/Pitch

Financial forecasts (typically projected over 3-5 years) help establish potential scenarios that identify critical areas of uncertainty and risk.

2.2.2 Protecting Intellectual Property

- Δ Ask everyone to sign a confidentiality or nondisclosure agreement prior to discussing business or sharing written documents
- Δ File a patent check patent law in all countries in which they intend to do business

2.3 Types of Business Plans

Entrepreneurs should focus on:

- ✓ Key features of their specific business model
- ✓ Assumptions used to develop financial forecasts
- ✓ Levels of uncertainty and risk
- ✓ Approaches to mitigating risk

PLANS PREPARED FOR EXTERNAL		PLANS USED FOR INTERNAL PLANNING	
STAKEH	OLDERS	PURPO	SES
Mini-Business Plans	Traditional Business	Go-to-market Plans	Operating Plans
	Plans		
 Contains summary of essential components of new venture's strategy (go-to-market and operating plans), how these plans translate into financial forecasts Contains appendixes with supplemental information, e.g. market data and forecasts, team member biographies, etc. Typically used as supplements for more well-crafted pitches 	 Contains a more detailed discussion of strategy (go-to-market and operating plans) and how these plans translate into financial forecasts Includes multiple scenario-based tests to clarify key areas of uncertainty/risk More detailed plans may be required by stakeholders for due diligence purposes, e.g. breakthrough discoveries that require significant capital over long periods of time 	 Describe the unmet needs of early customers, the product/service (p/s) to address needs; value proposition and benefits delivered Defines specific features that will differentiate p/s from competitive p/s Covers pricing, sales and marketing, shipment and after-sales support for p/s Defines approach for attracting customer segments, scaling business by entering new market, launching new products, etc. 	 Define key activities and milestones that must be accomplished as founders develop, produce, deliver venture's first offering Identifies resources needed to launch new venture and resources to scale operation Used to identify assumptions regarding operating costs for financial plan

Note: Operating and go-to-market plan used as foundation for creating experiments to reduce uncertainty

The purpose of a business plan is that it provides the foundation for debating and analysing assumptions, developing forecasts and designing experiments.

2.4 Pitching the Business Plan

Two types of Pitches:

- 1. Business Plan Pitch compelling presentation that can be used to pitch a new venture to investors, customers, partners, advisers and key employees
- 2. Elevator pitch one-paragraph description of a new business or opportunity

2.4.1. Preparing to Pitch

Guiding principles

Clarify your objectives in making the pitch

- Learn what is important to your audience and
- Get objective data to support your claims
- Know who is attending the pitch presentation, why they invited you to pitch the business plan and whether attendees or others have an influence over them
- ❖ Talk to industry and market experts and use online resources

2.4.2 Crafting the Pitch

Help identify objectives for the meeting and craft the pitch to clearly convey information that makes it easier to achieve the objectives.

2.4.3. Practicing the Pitch

Do some early test runs and then progress to pitching in front of supportive audiences who can give valuable feedback.

Address the following questions when requesting feedback:

- → Why? Why is this opportunity unique and compelling for this specific audience and for the stakeholders whose support will be needed to make the business a reality? Why is this a good time to launch this venture? etc.
- → Who? Who are the key stakeholders for the business? Within customer markets, who is the user and who makes the buying decision? Who are the founders? Can they attract top talent and other resources required?
- → Where? Where are the key customers, suppliers, partners and talent located? Where is the company located? Where will the product be developed, sold and used? Etc.
- → What? What products and services will be offered at what price? What are the initial and follow-up offerings? What differentiates this offering from others in the marketplace? What is the value proposition for all stakeholders? What are the key milestones and deliverables?
- → When? When will the first product or service reach the market? When will follow-up offerings, markets, and businesses be launched? When will returns be delivered to investors? When will key milestones be reached? How much uncertainty is there in assumptions behind the milestones and deliverables?
- → How? How will founders attract the resources and build the capabilities required to meet the key milestones? How do they plan to build products and develop services? How will they market, sell and deliver their offerings? How will they attract key stakeholders and ensure customer loyalty and engagement?

The pitch is a living document that is continually revised in response to changes in the market or industry or from experience gained in engaging the market, launching the venture and delivering the pitch to various audiences.

2.4.4. Presentation Tips

- Δ $\;$ Better for one person to present, e.g. CEO
- Δ If intellectual property is central to value, take steps to secure it via non-disclosure agreements or patents
- Δ Secure trademarks and mark pitch slides with copyright symbols

2.4.5. The Elevator Pitch

An elevator pitch is designed to convey succinctly and clearly the most critical information required by a listener who is unfamiliar with the business.

SUPPLEMENTAL READINGS

Characteristics of a good pitch

- Concise and focuses efficiently on delivering essential information
- Additional information conveyed through accompanying mini plan or appendixes
- Slides focus on images, graphics, charts conveying information visually

Slides: Title slide, executive summary, market positioning and problem description, product positioning, business network (ecosystem) positioning, competition and substitutes, customer benefits, operations, financials, risks, implementation, status and traction and financing, closing slide and optional handouts.

Workshop Activity 1

Workshop Activity 1	
Good Pitch	Bad Pitch
Clear and succinct	Too long and detailed
Know your audience (tailored)	Not engaging
Compelling	Multiple people pitching
One person presenting	Misunderstanding target audience
Good presentation skills	Failure to answer questions
Good Business Plan	Bad Business Plan
Good Dusiness I lan	Dau Dusilless Flail
Thoroughly researched	Lack of research
Thoroughly researched	Lack of research
Thoroughly researchedFacilitate debate among founders	Lack of researchNot enough detail
Thoroughly researchedFacilitate debate among foundersAddresses key objectives	Lack of researchNot enough detailLack of evidence to support claims

AEC Systems Business Plan Workshop Activity 2

Analyze the business plans for AEC Systems. Come up with three recommendations about the business plan.

Business Context

- Reviews and addresses the market need well
- Emphasis on growth of industry and positive expectations about this
- Absence of response to competition and risks
- Consistently addresses window of opportunity provided by the unique product and market demand

Business Opportunity

- Presents a unique opportunity: Tablet based idea solves 2 main problems of businesses in the industry
- First in the market to deliver handheld product for the industry
- Selling strategy: relying on word-of-mouth from the current customers
- Adapted to rising use of mobile devices & cloud-sharing software
- Data collected from clients using software

Strength of Team

- Subscription model generating steady & promising revenue
- Expertise in architecture to target the niche market
- Good connection to industry as the board of directors have experience in the construction industry, enterprise software design and operations, and mobility solutions.
- Have a shared vision based on previous struggles
- The team members are passionate and motivated to grow their business

Recommendations

1. AEC seeking \$1.4 million to expand the business through a website and the

- hiring of five product developers and two salespeople. However, the business does not provide the value proposition of investing in these three improvements. The business should provide **statistics and forecasts** to show how these changes will generate return or facilitate growth.
- 2. The business currently relies on one marketing strategy (word-of-mouth). AEC should consider **creating a dedicated marketing team** instead of hiring salespeople to market. Marketing team can develop a structured marketing strategy through multiple channels. (e.g. website, social media, pitch to targeted client base, partnerships)
- 3. AEC needs more attention to risk mitigation and competition response measures. They haven't provided any assumptions on how their competition is likely to respond to the introduction of this technology into the industry as well as how they will defend themselves against risk.