Credit Transfer /Mapping-NISP Policy

Recommendations of the Committee

No. of cases received: **01**

Meeting conducted on: **2ⁿᵈ August 2022**

Name of the student   : **Aishvarj Gupta**

Roll No.   : 2K19ECUN02001   Batch : 2019-23

Department/ School   : ECE, SoE

Faculty Mentor name involved, if any   : Dr. Yogita Gupta

Credit Mapping requested for: - **Startup**

No. of credits mapping requested : **12 Credits** (Study scheme attached as **Annexure-1**)

Brief Summary of Proposal   :

The startup proposal is for development and launch of a Non Fungible Token (NFT) investment management software, a secured Blockachain based platform which will help users in an interactive fashion for guidance on investment and tracking and monitoring NFT investments. Web 3 Technology will be used for leveraging the advantage of decentralization of Crypto currency investments. The details of project are annexed at **Annexure-2**

Student has requested for credit mapping of 03 elective courses for 12 credits in the VII semester for establishing startup. Student is expected to complete the following courses in 7ᵗʰ semester (current semester) as per program structure:

Course Code	Course Name	Course Credits
CSH423B	Artificial Intelligence	4
CSH425	Theory of Automata and Compiler Design	4
MCS368B	Basics of Entrepreneurship	2
CSH426B	Big Data	4
ECN423	Project Phase-I	2.5

Out of the above 05 courses student has already registered one course on NPTEL Swayam online "Innovation, Business Models and Entrepreneurship" in lieu of "Basics of Entrepreneurship" of program structure of program offered by department of ECE of MRU and a proof of registration is attached as **Annexure-3**. Since he has opted for project as a

startup, therefore Project Phase-I has also been included under mapping of credits i.e. from 12 to 14.5 credits against maximum limit of 15 credits limit as per NISP-2020 policy as attached as **Annexure-4**.
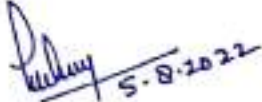
The proposal of student appears to have good potential and his case is recommended for **14.5 credits under Credit Mapping / Credit Transfer-NISP policy** to devote time to develop the Blockchain based Cryptocurrency trading website with interactive chatbot facility and establish the startup to register as LLP or Pvt. Ltd. Company and its launching the product in the market.

Startup Monitoring and Continuous Assessment

The assessment of startup will be done as per Startup Rubric which is attached as **Annexure-5**

If the committee does not find the progress satisfactory then student will be advised to complete the full / partial credits in the upcoming next semester either in physical or in online mode subject to assessment as per existing norms.
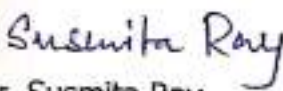
Submitted for your approval please.

5.8.2022

Dr. Pradeep K. Varshney
Dean Research, Chairperson

Dr. Shruti Vashist
Dean SoE, Member

Dr. Charu Pathak
HoD ECE, Member

Dr. Yogita Gupta
Faculty Mentor, Member

Dr. Susmita Ray
IIC Head, Convener

9/8/2022

■■■■ HEAD of DEPARTMENT, ECE   27/07/2022
Manav Rachna university
Faridabad, Haryana

Subject - Regarding the startup, I am building in web3.

Dear ma'am,
I am a 4th year student of Manav Rachna University pursuing a BTech. in ECE.
After 3 years of learning about various domains at Manav Rachna University, I
have discovered my passion for the decentralized nature of Web 3 technologies,
which has led me to gladly inform you about the startup I am building in web3.

We are working on an NFT investment management software, which helps the
user to research, monitor, and track their NFT investments. Our goal is to make
it easier to understand what projects to get involved with in the Wild West which
is the NFT space.

For more clarity, I am sharing a ppt along with the Pre Application Questionaire
document I submitted in the E-Cell.
                                        MRU NISP2020 pavey
I am reaching out to you about the NISP policy according to which any student
pursuing a startup can be exempted from their elective subjects for up to 15
credits.

Kindly allow me this exemption so that I can give the best of me in making my
vision a reality. Details of the elective subjects which I have the following year
are as follows:-

1. Artificial Intelligence [Credits - 4]
2. Theory of Automata and Compiler Design [Credits - 4]
3. Big Data [Credits - 4]

Total number of credits - 4+4+4 = 12   The application shall be considered
                                          as per the NISP 2020 policy under
Yours Sincerely,   which a student can claim upto 15
                                          credits in lieu of a startup
Aishvarj   Yogita Gupta
Aishvarj Gupta
ECE   As per NISP2020 policy Pg4. Clause 'a', the
Manav Rachna University   15 credits transfer is against mini project/
                                          major project, seminar/summer training,
Annexes   Not against courses (Intensip comm?)
  1. Pre Application Questionaire (5 pages)
  2. A presentation about the startup (12 pages)   (mentor   )
                                                               sem: 7

Forwarded to
Dean Academics.
                    through Charu Pathak
                              Dean Engg   PTo

As Per NISP credit transfer (15) can be made against elective. The student will be advised to submit the project after completion of the work carried out.

Three electives as mentioned in the application will be mapped against the start-up as proposed.

The institute review committee will review the work done by the student.

Recommended for approval.

Bhandari
1/8/22
(Dean Engg)

Dean Research

03.08.2022

Project Details

The project started on 28 May 2022.

We are planning to register the startup with the help of Manav Rachna University as soon as possible

Milestones

By,

10 September 2022 - The web Application will be ready for Alpha Testing.

20 September 2022 - The web Application will be live for Beta Testers.

05 October 2022 - The web Application will go live for all of our community members.

About the market

There are two major target audiences:-

1. Normal everyday Investors of Web2, who are interested to explore new possibilities but hesitate to come into NFTs due to lack of clarity about the space

2. Crypto Enthusiasts, who are actively investing in NFTs but are unable to keep up with the space. We are aiming to increase their efficiency by 10-fold.

At first, we will launch our app for the Solana ecosystem.

About Competition

Our competitor is Howrare.is

They are running a free service right now, as they plan to increase their reach as much as possible.

1- Monthly visitors on their website

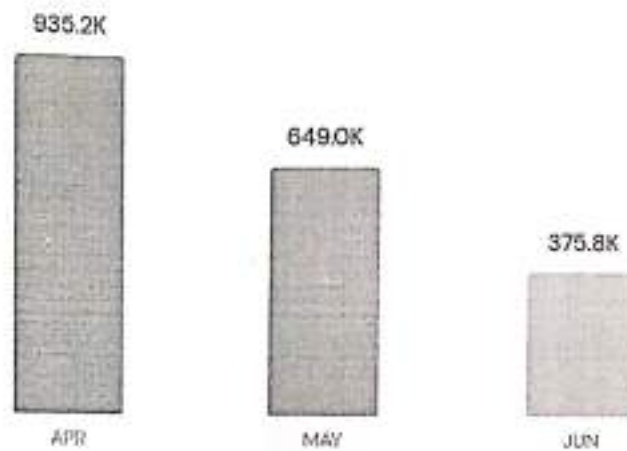**Traffic & Engagement Last Month**   **Total Visits Last 3 Months**

Total Visits
375.8K

935.2K

Last Month Change
42.11% ˅

Avg Visit Duration
00:03:44

649.0K

Bounce Rate
33.49%

375.8K

Pages per Visit
4.07

APR   MAV   JUN

2- Gender distribution and Age distribution of users

Gender Distribution   Age Distribution

34.09%

25.02%

18.86%

11.03%

6.89%

4.12%

Female   Male
36.34%   63.66%
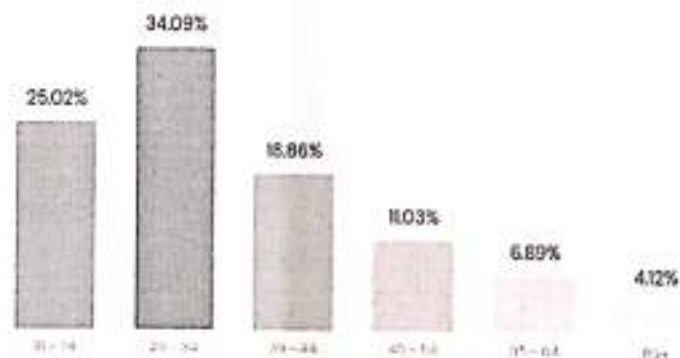
Revenue Projection for the Competition

With an average of around 600k users per month, if they turn to a
subscription model, with a retention of 2% and a $5 monthly subscription,
annual revenue would be 12000*5*12 = $720,000.

					SEMESTER - 7							
SUBJECT CODES	SUBJECT NAME	PRE-REQUISITE	**OFFERING DEPARTMENT	*COURSE NATURE (HARD/SOFT/ WORKSHOP/ NTCC)	COURSE TYPE (CORE/ELECTIVE / UNIVERSITY COMPULSORY)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
ECH401 B	INFORMATION THEORY AND CODING	NA	ELECTRONICS AND COMMUNICATION	HARD	ELECTIVE	3	1	0	0	4	4
ECH402 B	MIXED SIGNAL IC DESIGN	ANALOG ELECTRONICS, DIGITAL ELECTRONICS	ELECTRONICS AND COMMUNICATION								
ECH403 B	WIRELESS SENSOR NETWORKS	NA	ELECTRONICS AND COMMUNICATION								
ECH404 B	SECURITY IN WIRELESS AND MOBILE COMMUNICATION	EMFW	ELECTRONICS AND COMMUNICATION								
CSH423 B	ARTIFICIAL INTELLIGENCE	NN AND FL	COMPUTER SCIENCE								
ECH405 B	SPEECH PROCESSING AND RECOGNITION	NA	ELECTRONICS AND COMMUNICATION								
CSH424 B	MOBILE COMPUTING WITH ANDROID	NA	COMPUTER SCIENCE								
ECH406 B	ASIC DESIGN AND FPGA	VLSI DESIGN	ELECTRONICS AND COMMUNICATION								
ECH408 B	SATELLITE COMMUNICATION	ADC	ELECTRONICS AND COMMUNICATION								
ECH407 B	RF SYSTEM DESIGN	ANALOG ELECTRONICS	ELECTRONICS AND COMMUNICATION	HARD	ELECTIVE	3	1	0	0	4	4
ECH409 B	ROBOTICS DESIGN	NA	ELECTRONICS AND COMMUNICATION								
ECH410 B	STATISTICAL SIGNAL PROCESSING	DSP	ELECTRONICS AND COMMUNICATION								
CSH425	THEORY OF AUTOMATA AND COMPILER	NA	COMPUTER SCIENCE								

SUBJECT CODES	SUBJECT NAME	PRE-REQUISITE	**OFFERING DEPARTMENT	*COURSE NATURE (HARD/SOFT/WORKSHOP/NTCC)	COURSE TYPE (CORE/ELECTIVE/UNIVERSITY COMPULSORY)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
	DESIGN										
ECH411 B	VLSI TESTING	VLSI DESIGN	ELECTRONICS AND COMMUNICATION								
MCS368 B	BASICS OF ENTRENEURSHIP	NA	MANAGEMENT	SOFT	ELECTIVE	1	0	2	0	3	2
MEW203 B	3D PRINTING(CAD)	NA	MECHANICAL ENGINNERING								
ECH412 B	MEMS	NA	ELECTRONICS AND COMMUNICATION	HARD	ELECTIVE	3	1	0	0	4	4
ECH413 B	NANOTECHNOLOGY	NA	ELECTRONICS AND COMMUNICATION								
ECH414 B	MOBILE COMMUNICATION	NA	ELECTRONICS AND COMMUNICATION								
ECH415 B	FIBRE OPTIC COMMUNICATION	NA	ELECTRONICS AND COMMUNICATION								
ECH416 B	BIOMEDICAL SIGNAL PROCESSING	NA	ELECTRONICS AND COMMUNICATION								
ECH417 B	MODERN DIGITAL COMMUNICATION TECHNIQUES	NA	ELECTRONICS AND COMMUNICATION								
CSH426 B	BIG DATA	NA	COMPUTER SCIENCE								
CSH427 B	MACHINE LEARNING	NA	COMPUTER SCIENCE								
ECN423	PROJECT PHASE-I	NA	ELECTRONICS AND COMMUNICATION	HARD	CORE	0	0	5	0	5	2.5
						2	0	0	0	2	0
						12	3	7	0	22	16.5

Handwritten note beside ELECTIVE/SOFT row: "Already regulored." (Already registered)

SEMESTER - 8											
SUBJECT CODES	SUBJECT NAME	PRE-REQUISITE	**OFFERING DEPARTMENT	*COURSE NATURE (HARD/SOFT/WORKSHOP/NTCC)	COURSE TYPE (CORE/ELECTIVE/UNIVERSITY COMPULSORY)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS

ECN420	PROJECT PHASE-II/INDUSTRIAL TRAINING	NA	ELECTRONICS AND COMMUNICATION	HARD	CORE	320 TO 360 HOURS	10
							10

Welcome to NPTEL Online Course : Innovation, Business Models and Entrepreneurship Inbox ☆

onlinecourses@nptel.iit...   Yesterday   ↩   ⋮
to me ⌄

Dear Learner

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course **"Innovation, Business Models and Entrepreneurship"**. We wish you an enjoyable and informative learning experience.

Details regarding the course:
Name of the course: Innovation, Business Models and Entrepreneurship
Course url: https://onlinecourses. nptel.ac.in/noc22_mg73/preview
Course duration : 8 weeks

The course will begin on **22 August 2022** When content is released on the portal, you will get an email alerting you.

CONTENT AND ASSIGNMENTS

Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course. Please do the assignments yourself and even if you take help, kindly try to learn from it. These assignment will help you prepare for the final exams. Plagiarism and violating the Honor code will be taken very seriously if detected during the submission of assignments.

ANNOUNCEMENT AND DISCUSSION GROUPS TO CLEAR

AMENDMENT IN POLICY RELATING TO ADDITIONAL INTERNSHIP/ START-UP /INNOVATION /EXCHANGE PROGRAMME TO OTHER ORGANIZATION FOR GRADUATE PROGRAMME

Sl no.	Existing provisions	Proposed provisions
1	A. Policy for Internship in India / Abroad (Credit Transfer/Mapping) Student must register for rest of the credits through online courses	A student must register for remaining credits either through online courses
2	B. Start Up/ Innovation Any Student working on Innovative Idea or Start Up may request for the following relaxations from the University: (Relaxation in Attendance Criteria)	To encourage students to work on innovative projects or incubate new ideas, any student working on Innovative Idea or Start Up may request for the following relaxations from the University: (Relaxation in Attendance Criteria / Earn extra Credits for UG degree award based on the university policy as given below
	B. Start Up/ Innovation Project (Process to be followed) IIC shall maintain the attendance log book, for verifying the attendance records of all such candidates working on startups, innovations and prototype development	IIC shall maintain the attendance log book, for verifying the attendance records of all such candidates working on startups, innovations and prototype development through concerned faculty mentor.
	For awarding any relaxation in attendance criteria against the project/prototype developed, review committee shall evaluate his/her level of achievements in various competitions candidate has participated for the kind of innovation he/she has done. · For representing the university at International level competitions: Candidate shall be allowed to appear in end term examination at 50% attendance in all the subjects · For representing the university at National level competitions: Candidate shall be allowed to appear in end term examination at 55% attendance in all the subjects	For awarding any relaxation in attendance criteria/ earn extra credits/ credit transfer against electives/ project/ prototype developed, review committee shall evaluate his/her level of achievements in various competitions candidate has participated for the kind of innovation he/she has done as per National Innovation and Startup Policy 2019 for Students and Faculty · The review committee shall be responsible for award of the grade at the end of the semester for each Innovation Project and may recommend any other benefit to the student(s). The relaxation criteria:

• For Participation in general competitions at university / institute level: Candidate shall be allowed to appear in end term examination at 60% attendance in all the subjects • Student is required to meet the desired outcome as per the finally approved proposal submitted to IIC in order to avail the requested benefit of relaxation in attendance criteria at the end of the semester.	**a. Works for a Startup /Incubates a Start Up/Development of Prototype** Student inventors may also be allowed to opt for startup in place of their mini project/ major project, seminars, summer trainings. The area in which student wants to initiate a startup may be interdisciplinary or multi-disciplinary. However, the student must describe how they will separate and clearly distinguish their ongoing research activities as a student from the work being conducted at the startup. The student may be given a complete relaxation for attendance as per the National Start-Up policy 2019 and can earn 15 extra credits as part of award of UG degree on the recommendation of the Institute Review Committee. **b. Represented the university at International level competitions:** Given a relaxation upto 50% for attendance in all the subjects registered, provided he/she is involved in Innovation. And/Or Can earn 8 extra credits on production of proof of participation. **c. Represented the university at National level competitions:** Must have 55% attendance in all the subjects registered, provided he/she is involved in Innovation. And/Or Can earn 6 extra credits on production of proof of participation **d. Participated in general competitions at Zonal / State level:**

		Must have 60% attendance in all the subjects registered, provided he/she is involved in Innovation and Startups Or Can earn 4 extra credits being awarded to student in case of Zonal/state participation. **e. Participated in general competitions at Inter University / Institute level:** Must have 65% attendance in all the subjects registered and provided he/she is involved in Innovation and Startups Or Can earn 2 extra credits. These credits can be earned by students against electives as well OR can be earned as extra credits subjected to the recommendation of the Institute Review committee for UG degree and in case the student earns extra credits of 20 or more, he/she shall be eligible for award of degree with Honour's as per the guidelines of AICTE/University. As per new guidelines by MHRD-AICTE (National Innovation and Startup Policy 2019 for Students and Faculty) following relaxations shall be given to students on case to case basis. 1. HEIs should allow their students to take a semester/year break (or even more depending upon the decision of review committee constituted by the institute) to work on their start-ups and re-join academics to complete the course. The institute should explore provision of accommodation to the entrepreneurs within the campus for some period of time. For reference:

			https://vikaspedia.in/social-welfare/entrepreneurship/startup-india-1/national-innovation-and-startup-policy-2019-for-students-and-faculty Student is required to meet the desired outcome as per the finally approved proposal submitted to Institute Review Committee in order to avail the requested benefit of relaxation in attendance criteria And or credit transfer at the end of the semester.
3	C. Policy for exchange program (Credit Transfer/Mapping) Credits to be transferred against the exchange programme will depend upon the duration of the programme and the courses student is going to study at foreign university. Department may also map it partially against the equivalent course being offered by the department. All such decisions shall be taken before the commencement of the programme and must be conveyed to the candidate in writing.	Credits to be transferred against the exchange programme will depend upon the duration of the programme and the courses student is going to study at foreign university. Committee may also map it partially against the equivalent course being offered by the department. All such decisions shall be taken before the commencement of the programme and must be conveyed to the candidate in writing from the office of Controller of Examination.

MANAV RACHNA UNIVERSITY⁊

Declared as State Private University vide Haryana Act 26 of 2014

Research & Development Cell (RDC)

Rubrics for Startups Progression

A rubric is designed for the promotion of National Innovation and Startup Policy (NISP) for those students who are working for Startup shall be allowed to opt for startup in place of their mini project/ major project, Electives, seminars, summer trainings after the recommendation of the Institute Review Committee. The startups will be assessed on the basis of following assessment rubrics:-

Stage	Assessment Timelines	%age Weightage	Assessment parameters (%age Weightage)			
Semester-1 of Startup Pre-Incubation						
Stage I: Ideation / Problem Statement with Proof of Concept	4th week	25	Ideation with respect to Market Research (10)	Proof of Concept and team formation (5)	Resource requirements (5)	Presentation and Discussion (5)

Stage	Week	Marks				
Stage II: Design and Analysis	8th week	25	Sketching/ blue print (10)	Designing of Prototype (10)	Presentation and Discussion (5)	--
Stage III: Prototype Development	12th week	25	Progress of prototype development work as per problem state ment (15)	Technical assessment of all team members (10)	--	--
Stage IV: Testing & Integration	16th week	25	Validation of the prototype (15)	Technical assessment of all team members (10)	--	--
Semester-2 of Startup Incubation						
Stage V: IPR (Patent, Design Patent, Trademark, Copyright etc)	4th week	40	Quality of IPR (10)	Commercial ability (10)	Prototype status (10)	Technical assessment of all team members (10)
Stage VI: Registration as LLP / Pvt. Ltd. Company	8th week	40	Registration Status (10)	Startup Team Coordination (10)	Performance of Startup (10)	Technical assessment of all team members (10)
Stage VII Market Launch of	12th to 16th week	20	Product	Performance	--	--

the Product			Launch status (10)	of Startup (10)		

Semester-3 of Startup Incubation

Stage	Week					
Stage VIII Commercialization of the product- Business Plan Evaluation for 3 years	4th week	40	Organizational Structure including Board of Directors (10)	Financial Plan (10)	Marketing and Sales Plan (10)	Business Strategy (10)
Stage IX Funding raised from Angel Investors / Top-up grant from GoI	6th to 8th week	40	Funding Raised (10)	Self Funding (10)	Customer Feedback (10)	Change in Business Strategy based on feedback analysis (10)
Stage X Company Turnover / Revenue Generation	12th to 16th week	20	Company Turnover and Revenue Generation are subjective to investments made and earnings as per nature of startup. (20)			

Note- The above mentioned proposal is designed for three semester's assessment but if any student completes this task in one / two semesters depending on the nature of startup in fast-track mode, the 15 credits per semester will be mapped as per Credit mapping / Credit transfer policy of NISP-2020.

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