

THE NORTHCAP UNIVERSITY

From: IQAC	To: All IQAC Members & Special Invitees CC: Hon'ble GB, VC office
-------------------	--

Dated: 9/4/2022

Minutes of 15th IQAC meeting held on 28th March 2022

15th IQAC meeting was held on 28th March 2022 in seminar hall at 2:30 PM.

Meeting Agenda:

- Review & confirmation of minutes of 14th IQAC Meeting held on **24th September 2021**.
- **Dr. Rekha Vig**, *Deputy Dean-Academics* to present an overall status & analysis of National Institutional Ranking Framework (NIRF) application, further line of actions required for attaining better ranking in 2022.
- **Mr. Avtar Singh**, *Professor of Practice & Director (Startups & Incubation)* to present a roadmap for patent filing through the Incubation Centre, events held/events planned during the first quarter (Jan-March 2022) towards developing Entrepreneurial skills among NCU students and status of ongoing start-up projects.
- **Dr. Sharda Vashisth**, *HoD, ECE* to present the steps taken & further actions to be taken for improving the QS Star ranking with focus on admitting international students at NCU in the next academic session.
- **Dr. Pankaj Agarwal**, *Chairman IIC & ARIIA* to present status & developmental plans for IIC & ARIIA ranking.

The following members attended the meeting:

Prof. Nupur Prakash, <i>Vice-Chancellor</i>	In the chair
Col. Bikram Mohanty (<i>Retd.</i>), <i>Registrar</i>	Member
Ms. Deepika Deswal, <i>Dy. Manager HR</i>	Member
Prof. Swaran Ahuja, <i>Dean Academics</i>	Member
Prof. Nitin Malik, <i>Dy. Dean RDIL</i>	
Dr. Satnam Singh, <i>Asst. Professor</i>	
Dr. Tapobrata Pakrashi, <i>Asst. Professor</i>	
Dr. Nidhi Agrawal, <i>COO & Engg. Head</i>	

<i>NIA Agrocommodity Marketplace Pvt. Ltd.</i>	Members (IQAC Team)
Prof. Rita Chhikara, <i>Professor, HoD CSE</i>	
Prof. Vikas Nath, <i>Director, SOM</i>	
Mr. Anirudh Kaushik, Manager Placement & Career Services – The NorthCap University	
Prof. Pankaj Agarwal, Convener IQAC	
Prof. C. B. Gupta, <i>Director IQAC</i>	
Mr. Avtar Singh, <i>Director, Start-up</i>	Special Invitee
Dr. Hukum Singh, <i>HoD, APS</i>	Special Invitee
Prof. Sharda Vashisth, <i>HoD ECE</i>	Special Invitee
Prof. Swaranjeet Arora, <i>HoD SOM</i>	Special Invitee
Dr. Archana Sarma, <i>HoD SOL</i>	Special Invitee
Dr. Rohit Singh Lather, <i>HOD ME</i>	Special Invitee
Prof. Rekha Vig, <i>Deputy Dean-Academics</i>	Special Invitee
Dr. Vaishali Sahu, <i>HOD Civil</i>	Special Invitee
Mr. Pankaj Srivastav, <i>CTO</i>	Special Invitee
Ms. Kiran Mrig, <i>COE</i>	Special Invitee
Dr. Divyabha Vashisth, <i>HOD CLL</i>	Special Invitee
Dr. Anjali Garg, <i>Deputy Dean, Examination</i>	Special Invitee
Ms. Manvi Arora, <i>OSD to GB</i>	Special Invitee

Minutes

1. **Prof. C.B Gupta**, IQAC Director welcomed all the members & special invitees.
2. Meeting agenda was presented by **Prof. Pankaj Agarwal**, IQAC Convener.
1. **Prof. Pankaj Agarwal**, IQAC Convener presented the agenda for the 15th IQAC meeting.
3. **Prof. Pankaj Agarwal**, IQAC Convener presented the action taken report of 14th IQAC meeting held on 24th Sep 2021. The minutes were confirmed & hence closed. Detailed action taken report is attached a part of **Annexure – 1**.
4. **Dr. Rekha Vig**, *Deputy Dean-Academics* presented the status & analysis of NIRF application submitted by NCU for the year 2022.

Following are some of the important observations & points of discussion from her presentation

- i. NCU registered for NIRF-22 on 17th Dec 2021 & submitted the final application on 25th Feb 2022. Result is awaited.
- ii. There is a need for balance of faculty with difference in years of experience in both Engineering & Law. More number of faculty with more than 15 years of experience is suggested for school for Law.
- iii. Percentage of faculty members with Ph.D can be improved, particularly in school of Law.

- iv. Projection of sanctioned intake and actual seats filled up needs to be revised in both Engineering & Law.
- v. Law has higher weightage for Teaching, Learning & Resources **(TLR)**, so more PhDs and better experience ratio to be considered.
- vi. It was suggested to increase the expenses on library resources for School of Law
- vii. There is a strong need for increase in consultancy & focus on research funding at NCU.
- viii. SPA needs to collect proofs of placement and higher studies data.
- ix. There is a need to invite companies offering high salary package to improve Median Salary. Departments/Schools needs to prepare their students accordingly.
- x. Number of graduating Ph.D. Students is less as compared to PhD students enrolled.
- xi. There is a need for improvement in diversity of students admitted at NCU. It was suggested to promote STEM education to school students by conduction of workshops/seminars. We also need to enhance admissions from outside state and country.
- xii. Poor perception score for School of Law is a matter of concern. Enhanced presence in social media, aggressive promotion via all members of the university is required. It was suggested to enhance the email communications to institutions/senior professors, conferences/ special lectures, National Moot Court Competition, Outreach activities through legal aid society, circulation of NCU Law review.

Presentation by **Dr. Rekha Vig** is attached a part of **Annexure – 2**.

5. Following points were summarized from **Mr. Avtar Singh's** presentation:

- i. Many workshops specific to patent filing are in pipeline through the Incubation Centre. Talks with external agencies is also in process.
- ii. Currently 2 start-ups namely 'Microgreens' and 'Bending sunlight' are in preparation phase for patent filing. The Documentation and provisional filing will be done in May 2022
- iii. Following projects are in the phase of building financial model
 - o Bigboxo
 - o Mbrace
 - o Xopto
 - o Playformee
 - o Flxclass

Details of above projects with their current status to be share with IQAC cell by 15th April 2022

- iv. **Vice Chancellor** suggested to take advantage of funding from VC innovation fund scheme. All the projects must have an associated faculty member as mentor to apply for funding through VC innovation fund scheme. According to **Mr. Avtar** funding requirement for these projects is much higher.
- v. **Prof. Vikas Nath** informed that present students can be allowed to take up the start-up, however they can comeback with their matured idea even after getting passed out within a defined time period. The credit for such start-ups will go to the institution. The process for any start-up should begin with applying for patenting followed by its licensing. Incubation center must have Incubation disclosure form.
- vi. Vice Chancellor requested **Mr. Avtar** to complete the patenting process for all the above five student projects within the next one month i.e by 15th may 2022. The details of patents need to be shared with IQAC.
- vii. **Dr. Archana Sarma** informed that as per the new patent amendment rules 2021 the govt fee for applying patents has been reduced to Rs 1600 from Rs 8000 for the institution. Institution can be a co-applicant in case of students applying for the patent. Patenting rights will remain with the inventors. Incubation center needs to inform the students about the new patent amendment rules 2021. IQAC will monitor the progress.
- viii. Discussions with industries including ASSOCHAM and Automobile OE Manufacturer Sanoh Industrial Co., Ltd are in process for possible association with NCU's Incubation centre.
- ix. Incubation centre will provide the complete details to IQAC with documentary proofs about the progress & status on patent filing of ongoing start-up projects through incubation centre latest by 20th April 2022.
- x. Incubation cell will also share the detailed calendar of all the planned activities for 2022 under IIC & ARIIA with Prof. Pankaj Agarwal
- xi. Ms. Nidhi Agrawal suggested to have a more structured process for incubating the pass out students.
- xii. Mr. Avtar Singh was directed by the chairperson IQAC to prepare SoP and guidelines for patent filing in consultation with Dr. Unanza from SoL and get them approved before 20th April by VC, NCU

Presentation by **Mr. Avtar Singh** is attached a part of **Annexure – 3**.

6. Following are summary of points raised from **Dr. Sharda Vashisth's** presentation on QS Star ranking for NCU.

- i. **Dr. Sharda Vashisth** informed all that minimum score required for 5 star ranking in QS star rating is 700, NCU achieved total of 650 marks in 2021.

- ii. For attaining QS 5-star ranking, more focus is required on Internationalization by admitting international students & recruiting international faculty. As per the requirements we must have atleast 5% of international students & faculty.
- iii. We also need to focus on student exchange & short-term exchange programs through our foreign collaborations.
- iv. International Accreditations like NBA for CSE program will be an added advantage.
- v. Faculty Student Ratio also needs to be improved further.
- vi. More funds to be raised for community investment and charity work to address the social responsibility aspect.
- vii. By the end of 2023 we need to address the following necessary requirements in order to target QS 5 stars rating:
 - We need 15 international faculty members.
 - Admit atleast 250 international students.
 - Initiate student exchange programs.
 - Initiate online programs for industry professionals.
 - NBA accreditation for B.Tech CSE program.
 - Participation in QS employer's survey
 - Increase in volunteer hours for community development and charity.
 - Improvement in Student diversity: gender and background.
- viii. All concerned needs to deliver as per the following responsibility matrix

Criteria	Responsibility
International Faculty: need ~15	HR
International Students: need ~250	International Relations Office (IRO) and Admission Office
Exchange students	International Relations Office (IRO)
Enhancement of PhD programs: international students & assistantships	Dy. Dean PhD
Online programs for industry	Academic Subcommittee
Programmatic Accreditations-BTech (CSE)	HOD CSE
Participation in QS employer's survey	SPA
Volunteer hours for community development and charity	Already initiated
Student diversity: gender and background	Registrar and Admission Office

- ix. **Dr. Vashisth** informed all regarding the actions taken towards admitting international students.
- NCU registered itself with EDCIL for the admissions of International Students for the session 2022-23.
 - NCU took part in an education fair in Nepal organized by Study in India
 - NCU has signed MOU with the education consultants in Nepal
 - Promotional activities are planned in various schools and colleges of 5 major cities (Kathmandu, Birgunj, Janakpur, Dharan, and Biratnagar) of Nepal from 28th March to 10th April 2022.

Presentation by **Dr. Sharda Vashisth** is attached a part of **Annexure – 4**.

7. Dr. Pankaj Agarwal shared the following information related to IIC & ARIIA cell at NCU:

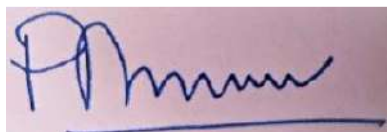
- i. NCU has achieved 4-Star Ratings in the institution's Innovation Council Rating, Ministry of Education in the year 2020-21. NCU had achieved 3-stars in 2019-20.
- ii. IIC has successfully submitted all the activities of Quarter 1 & Quarter 2 as per the requirements of IIC. Total of 11 activities (minimum required: 4) were submitted under IIC calendar activities during Quarter 1 & Quarter 2. Total of 7 self-driven activities were also submitted.
- iii. With 4-star rating, we are now eligible to Mentor nearby Institutions under Mentor-Mentee Programme for IIC Institutions in 2022.
- iv. Dedicated web pages for IIC and Incubation center is now functional on NCU website.
NCU IIC Webpage: <https://www.ncuindia.edu/innovation-page/>
Incubation Center: <https://www.ncuindia.edu/the-northcap-incubation-innovation-centre/>
- v. Following student innovation clubs have been formulated at department/school level to provide an impetus to innovation & entrepreneurship related activities at NCU:

Department/School	Student Club
School of management	Entrepreneurship Cell
School of Law	Legal Incubation Cell
CSE Department	Omega Innovation Club
ME Department	Robotics Club
Electrical, Electronics and Communication Engineering	<ul style="list-style-type: none"> ▪ Creator's Garage ▪ Researchers' Club ▪ The Sapient Club
Department of Applied Science	Innovate to Elevate

Presentation by **Dr. Pankaj Agarwal** is attached a part of **Annexure – 5**.

8. **Dr. Satnam** suggested to offer additional value addition programs by various departments/Schools. **Vice-Chancellor** requested **Dr. Rekha Vig** to look into this matter and prepare a calendar of executive programs/value-added courses for the next one year. All the stakeholders can be consulted while preparing the calendar of programs.
9. IQAC members approve inclusion of Prof. Vikas Nath, Dr. Nitin Malik as new members of IQAC.
10. **Prof. Nupur Prakash**, *Vice-Chancellor* complemented all the members for focussing on important issues in their presentations. She also requested all the HoDs have a concrete plan to ensure that any content being put in public domain is well drafted & verified. All need to work on areas of weaknesses and give their unconditional support for the growth of NCU.

Meeting ended with vote of thanks by Prof. C.B Gupta.



Prof. Pankaj Agarwal
Convener, IQAC



Prof. C.B Gupta
Director, IQAC

Annexure - 1

Review & confirmation of minutes of 14th IQAC Meeting held on **24th September 2021**.

Recommendation during 14 th IQAC meeting	Actions Taken
admitting international students at NCU through EdCIL and ICCR.	<ul style="list-style-type: none"> NCU registered itself with EdCIL for the admissions of International Students for the session 2022-23. NCU took part in an education fair in Nepal organized by Study in India. <p>NCU has signed MOU with education consultants in Nepal.</p>
School of Management to align the courses with Industry and focus on start-ups	SOM has initiated two specializations viz BBA with specialization in family business and B.Com (Hons) with specialization in Financial market, which will be offered from July 2022 session. New specializations have been approved in Board of studies meeting and Academic council meeting.
School of Management to provide suitable guidance to their faculty members and students for quality publications and make them familiar with plagiarism tools	Regular mentor mentee meetings are being conducted wherein distinguished Professors are guiding all the faculty members regarding quality publications and plagiarism tools
School of Management to participate in NIRF next year and to put streamlined efforts as per the indicators of NIRF.	<p>The decision for non-participation of SOM in NIRF ranking was taken at university level, however following actions have been taken by SOM as per NIRF indicators</p> <ul style="list-style-type: none"> New faculty members at SOM have been recruited in order to improve student teacher ratio. Computer lab and Business lab have been established. Two Executive development programs have been conducted. Placements have been improved significantly. CASE Centre has been established as Centre of Excellence for SOM.
SPA to take proper feedback from recruiters and industry experts.	Regular Feedback is taken from the recruiters and is shared with the concerned departments. There

	is well defined format to record the feedback on various pointers.
SPA to consider the candidature of 2020-21 graduates for placements in the current session.	SPA extends full support to all its unplaced passed-out students (Ay 2020-21). The company information is being circulated through Email, SPA Portal & SMS. Total no companies offered the job for graduating batch 2020-21: 159 No. of Companies in the current session (AY 2021-22): 28 No of students placed in the current session (AY 2021-22): 6
SPA to provide offer letters of all students as per the requirements of NAAC/NIRF latest by 15th Oct 2021	SPA had timely shared all the necessary information related to career & placement support provided by the university in the prescribed format shared by the NAAC/NIRF committee members.
Maintain proper records of those students who have not shown interest in availing placement assistance from NCU. Details of students of higher studies also need to be maintained properly.	SPA is maintaining proper record of those students who have not shown interest in availing placement assistance or opted for Higher study from NCU.
Patent filing should include HEI as co-applicant /co-owner	During the 13th IQAC Meeting held on November 6, 2020, the Draft for IPR Policy was presented by Dr. Unanza Gulzar from School of Law. The IPR Cell has revised the policy relating to the role of the HEIs as a co-applicant in terms of financial assistance and the details shall be presented by HoD SOL
Required courses on Innovation/IPR should be introduced	<ul style="list-style-type: none"> - School of Law has offered Intellectual Property Rights (IPR) as one of the Honours courses (comprising of four papers on patent, copyright, trademark and GI) to the undergraduate students of BBA LL.B (Hons.). - Besides, IPR has been introduced as a core course in the Seventh semester of the BBA LL.B curriculum. - Additionally, IPR is a specialization area for the post graduate students in the LL.M Programme.

	It was suggested to offer it as an elective to all the students of NCU. It can be offered in 6 th semester or 7 th Semester.
reformulate the Grievance Redressal committee. Separate mechanism to be laid down for students, employee & Internal complains as per the guidelines/requirements of UGC/AICTE/NAAC etc	<p>Grievance Redressal committee has been reformulated (Dated: 29 September 2021) as per the guidelines/requirements of UGC.</p> <p>Dr. Rohit Singh Lather (Head -Mechanical Department) as the Chairperson.</p> <p>Vice Chancellor suggested to maintain proper files & records. Provision for anonymous complains must be included.</p>
Names of Anti ragging and other prominent committees to be put on website and display boards across the campus before the commencement of new semester	Names of all important committees are placed at all the prominent places in the campus including NCU website.

Annexure-2

IQAC Meeting

March 28, 2022

NIRF 2022

Analysis

NIRF 2022

Registration – 17th December 2021

Submission – February 25th 2022

Result – Yet to be declared

Categories	ID
Overall	IR-O-U-0163
Engineering	IR-E-U-0163
Law	IR-L-U-0163

PARAMETERS NIRF 2021

Sr. No	Parameters	Abbreviations	Marks	Weightage (Univ, Engg)	Weightage (Law)
1	Teaching, Learning & Resources	TLR	100	0.30	0.40
2	Research and Professional Practice	RP	100	0.30	0.15
3	Graduation Outcomes	GO	100	0.20	0.25
4	Outreach and Inclusivity	OI	100	0.10	0.10
5	Perception	PR	100	0.10	0.10

Teaching and Learning Resources (0.3 for overall and engg, 0.4 for law)		2021 (Submitted)	Score	2022 (Submitted)	Expected Score	Remarks
<p>A. Student Strength including Doctoral Students(SS): 20 marks</p> <p>NT- Sanctioned NE – Actual (Enrolled)</p> <p>Score = (f(NT, NE) × 15 + f(NP) × 5)</p> <p>x/20</p>	Overall	NT = 3189 NE = 2769 Gap-(420) NP=109		NT=2941 NE= 2596 Gap-(345) NP= 115	Increase due to lesser gap in NT and NE and no. of PhDs	<ol style="list-style-type: none"> 1. Lesser gap between sanctioned and enrolled numbers (more weightage) 2. No. of PhD students improved 3. Since TLR weightage is higher for Law, more importance to reduction in gap
	Engg	NT = 1849 NE = 1593 Gap-(256) NP=87	7.28	NT=1506 NE= 1372 Gap-(134) NP= 94		
	Law	NT = 568 NE = 433 Gap-(135) NP=0		NT=550 NE= 433 Gap-(117) NP= 6		

Teaching and Learning Resources (0.3 for overall and engg, 0.4 for law)		2021 (Submitted)	Score	2022 (Submitted)	Expected Score	Remarks
<p>B. Faculty-student ratio with emphasis on permanent faculty (FSR): 25 marks</p> <p>Faculty on Full time basis. Faculty on contract basis/ad-hoc basis will be considered if the concerned faculty has taught in both the semesters of academic year</p>	Overall	28.19/ 30 = 93.97% F=206		18.53/ 25 = 74.12% F=151	<p>It might Increase due to non-consideration of visiting faculty</p>	<p>1. Though no. is reduced, Visiting faculty have not been considered</p>
	Engg	30/30 F=130	26.63	30/30 F=107		
	Law	28.52/30 F=27		29.14/30 F=27		

Teaching and Learning Resources (0.3 for overall and engg, 0.4 for law)		2021 (Submitted)	Score	2022 (Submitted)	Expected Score	Remarks
C. Combined metric for Faculty with PhD (or equivalent) and Experience (FQE): 20 marks FQE – FQ (10) + FE (10)	Overall	PHD = 117/206 FQ- 6.01 0.44: 0.29 : 0.27 (90:60:45) FE: 8.85 FQE=14.86		PHD = 106/151 FQ-7.39 0.30: 0.31 : 0.38 (46:47:58) FE: 9.53 FQE=16.92	Increase	PHD- Max (95%) Ratio: <8:8-15:>15 0.33:0.33:0.33 (Ideal)
	Engg	PHD = 90/125 FQ- 6.9 FE: 9.4 FQE = 16.3	15.08	PHD = 81/107 FQ-7.97 0.27: 0.33 : 0.4 (46:47:58) FE: 9.43 FQE = 17.40	Increase	More focus on Law is required as values are low, however weightage of TLR is more
	Law	PHD = 14/27 FQ- 5.26 FE: 8.03 FQE = 13.29		PHD = 17/27 FQ-6.63 0.48: 0.3 : 0.22 (13:8:6) FE: 8.33 FQE = 14.96	Increase	

Teaching and Learning Resources (0.3 for overall and engg, 0.4 for law)		2021 (Submitted)	Score	2022 (Submitted)	Score expected	Remarks
D. Financial Resources and their Utilisation (FRU): 20 marks - 5×f(CE) + 15×f(OE) CE: Average Annual Capital Expenditure per student for the previous three years. (Excluding expenditure on construction of new buildings) OE: Average Annual Operational (or Recurring) Expenditure per student for the previous three years.	Overall	y/30 CE- 3,77,75,074 OE-49,51,27,748 Total=2878		y/20 CE- 3,80,80,380 OE-45,52,46,532 Total=2711	Increase as no. of students have reduced.	Almost similar CE and OE. 1. Total marks reduced for overall 2. Total no. of students reduced. Hence per student expenditure increase for overall and Engg.
	Engg	y/30 CE- 3,20,83,041 OE- 43,47,52,582 Total=1593	11.37/30	y/30 CE- 3,31,14,854 OE- 38,69,59,550 Total=1372		
	Law	y/30 CE- 46,12,806 OE- 6,03,75,166 Total=433		y/30 CE- 35,22,943 OE-5,93,99,288 Total=439	Lower	
E. Online Education: Online Completion of Syllabus & Exams and Swayam (OE): 15 marks - OE = f(OE)				z/15		Improve the enrolment in Swayam courses
Total	Overall	43.05/50(92.6%) + (x+y)/50	36.85/100	35.46/45(94.8%) + (x+y+z)/55	Increase	Law has higher weightage for TLR so more PhDs, better ratios to be considered
	Engg	46.30/50 + ((x+y)/50	60.36/100	47.40/50 + ((x+y)/50	Increase	
	Law	41.81/50 + (x+y)/50	39.34/100	44.1/50 + (x+y)/50	Increase	

Areas of Improvement

Teaching and Learning Resources

Overall	Engineering	Law
A. Balance of faculty with difference years of experience	A. Balance of faculty with difference years of experience	A. More number of faculties with >15 years of experience
B. Percentage of faculty members with Ph.D can be improved	B. Percentage of faculty members with Ph.D can be improved	B. Percentage of faculty members with Ph.D can be improved considerably
		C. Financial Resource and Utilization improved school wise specific to Law, expenses on library resources may be increased
C. Projection of sanctioned intake and actual seats filled up needs to be revised	C. Projection of sanctioned intake and actual seats filled up needs to be revised	D. Projection of sanctioned intake and actual seats filled up needs to be revised
D. Emphasis on Online education and credit transfer through Swayam courses		E. Law has higher weightage for TLR so more PhDs and better experience ratio to be considered.

Research Practices		2021 (Submitted)	Score	2022 (Submitted)	Score Expected	Analysis and remarks
A. Combined Metric for Publications(PU)-35 marks PU = 35 × f(P/FRQ)		Third Party	5.4-engg	Third Party		Efforts to enhance research
B. Combined Metric for Quality of Publications(QP)- 35 marks QP = 20 × f (CC/FRQ)+15× f (TOP25P/P)		F=206	7.24-engg	F=151		May get an advantage with reduced faculty numbers
C. IPR and Patents: Patents Published and Granted(IPR) – 15 marks IPR = IPG + IPP IPG = 10× f (PG) and IPP = 5 × f (PP)	Overall	IPP-2 IPG-0		IPP-12 IPG-4	Increase	Increase in number of patents. More weightage to Patents granted
	Engg	IPP-2 IPG-0	0	IPP-12 IPG-4	Increase	
	Law	IPP-0 IPG-0		IPP-0 IPG-0		
D. Footprint of Projects and Professional Practice(FPPP) – 15 marks FPPP = FPR + FPC + EDP/MDP FPR = 5 × f(RF) , FPC =5 × f(CF), EDP/MDP = 5 × f(EP)	Overall	RF -31,76,560 CF- 34,08,452 EP- 15,30,000		RF- 23,52,000 CF– 34,67,292 EP –23,60,000		Reduced research funding however enhanced CF and EP
	Engg	RF -31,76,560 CF- 31,74,352 EP- 15,30,000	0.08	RF- 22,77,000 CF– 29,45,192 EP –23,60,000		
	Law	RF- 75,000 CF– 3,64,100 EP– 0		RF- 0 CF– 1,14,100 EP–0		
Total/100	Overall		9.17			Weightage for law is less
	Engg		12.72			
	Law		21.55			

Areas of Improvement

Research Practices

Overall	Engineering	Law
A. Increase Consultancy	A. Increase Consultancy	Encourage faculty to file patents
B. Focus on Research funding	B. Focus on Research funding	

Graduate Outcome		2021 (Submitted)		2022 (Submitted)	Score expected	Analysis and Remarks
A. Combined metric for Placement and Higher Studies (GPH) – 40 marks 40 * (NP/100 + NHS/100)	Overall	Np = 61.13 % NHS=27.88 % GPHE = 35.61		Np = 60.55 % NHS=28.68% GPHE = 35.69	May slightly Increase	Marginally improved. Higher studies data can be maintained properly
	Engg.	GPHE= 30.84	30.84	Np = 73.51 % NHS=15.46% GPHE = 35.59	Increase	
	Law	Np = 80.00% NHS =12.69% GPHE = 37.07		Np = 74.15 % NHS=15.73% GPHE = 35.95		
B. Metric for University Examinations (GUE) – 15 marks 15 * min [(NG/80), 1] Expectation = 80%		> 80% 15 marks	15	> 80% 15 marks		

Graduate Outcome		2021 (Submitted)		2022 (Submitted)	Score expected	Analysis and Remarks
C. Median Salary (GMS) – 25 marks 25 * p(MS) To be calculated by NIRF	Overall	(Rs. 3.85 Lakhs)		(Rs. 4.20 Lakhs)	Increase	Improved value of median salary
	Engg.	(Rs. 3.85 Lakhs)	10.75	(Rs. 4.55 Lakhs)	Increase	
	Law	(Rs. 3.85 Lakhs)		(Rs. 5.7 Lakhs)	Increase	
D. Metric for Number of Ph.D. Students Graduated (GPHD) – 20 marks 20 * p(NPhD) To be calculated by NIRF	Overall	22(FT- 4 , PT- 18)		25(FT- 7 , PT- 18)	Increase	Improved value
	Engg.	20(FT- 3 , PT- 17)	0.24	23(FT- 5, PT- 18)	Increase	
	Law	1(FT- 1)		2(FT- 2)	Increase	
Total/100			57.62		Increase	
			56.83			
			61.61			

Areas of Improvement

Graduate Outcome

Overall	Engineering	Law
A. Collecting Proofs of placement and capturing higher studies data is a challenge		
B. Inviting companies offering high salary package to improve Median Salary		
C. Number of graduating Ph.D. Students as compared to PhD students enrolled		
		Since weightage of GO is more for Law, record of higher studies and placement to be maintained better

Outreach Inclusivity OI = RD(30) + WD(30) +ESCS(20) + PCS(20)		2021 (Submitted)	Score	2022 (Submitted)	Score Expected	Analysis and remarks
A. Percentage of Students from other States/ Countries (Region Diversity-RD) – 30 marks 25* (OS/Total no.) + 5 * (OC//Total no.)	Overall	OS = 34.01% (942/2769) OC = 0.72% (20/2769) Score – 7.69		OS = 35.17% (913/2596) OC = 0.19% (5/2596) Score - 8.80	Increase	Focus on Students outside state (more weightage) and outside country
	Engg	OS = 38.92% (620/1593) OC = 0.88% (14/1593) Score 6.9	9.25	OS = 39.72% (545/1372) OC = 0.22% (3/1372) Score - 9.94	Increase	
	Law	OS =33.49% (145/433) OC = 1.15% (5/433)		OS = 39.26% (170/433) OC = 0% (0/433) Score - 9.82	Increase	
B. Percentage of Women (Women Diversity-WD) – 30 marks (Expected 50%) WD = 15 × (NWS/50) + 15 × (NWF/20)	Overall	NWS = 29.47% (816/2769) NWF = 66%		NWF = 28.20% (732/2596) NWF = 68%		No. of female students to increase. Women faculty ratio is more than expected. % of female students in engg. is lesser than overall and law.
	Engg	NWS = 21.72% (346/1593) NWF = 72%	20.89	NWS =21.79% (299/1372) NWF = 73%	Slightly Increase	
	Law	NWS = 42.26% (183/433) NWF = 66%		NWS =39.26% (170/433) NWF = 65%		

Outreach Inclusivity OI = RD(30) + WD(30) +ESCS(20) + PCS(20)		2021 (Submitted)	Score	2022 (Submitted)	Score Expected	Analysis and remarks
C. Economically and Socially Challenged Students(ESCS) – 20 marks ESCS = 20 × f(Nesc) Nesc is the percentage of students being provided full tuition fee reimbursement by the institution to pursue their degree programs.	Overall	ESCS = 23.58 % (653/2769) ES = 398 SCS = 255		ESCS =24.31% (631/2596) ES = 402 SCS = 229	Slightly Increase	Reduced research funding however enhanced CF and EP
	Engg	ESCS = 21.34 % (340/1593) ES = 220 SCS = 120	1.18	ESCS = 22.74 % (312/1372) ES = 195 SCS = 117	Slightly Increase	
	Law	ESCS = 20.09 % (87/433) ES = 59 SCS = 28		ESCS = 24.49 % (106/433) ES = 83 SCS = 23	Increase	
D. Facilities for Physically Challenged Students(PCS) – 20 marks		Yes	20	Yes	20	
Total/100			51.93			
			42.07			
			53.4			

Areas of Improvement

Outreach Inclusivity

Overall	Engineering	Law
A. Improvement in diversity by increasing admission of students from other states/abroad	Promotion of STEM education to school students by conduction some workshops/seminars	To enhance admissions from outside state and country

Areas of Improvement

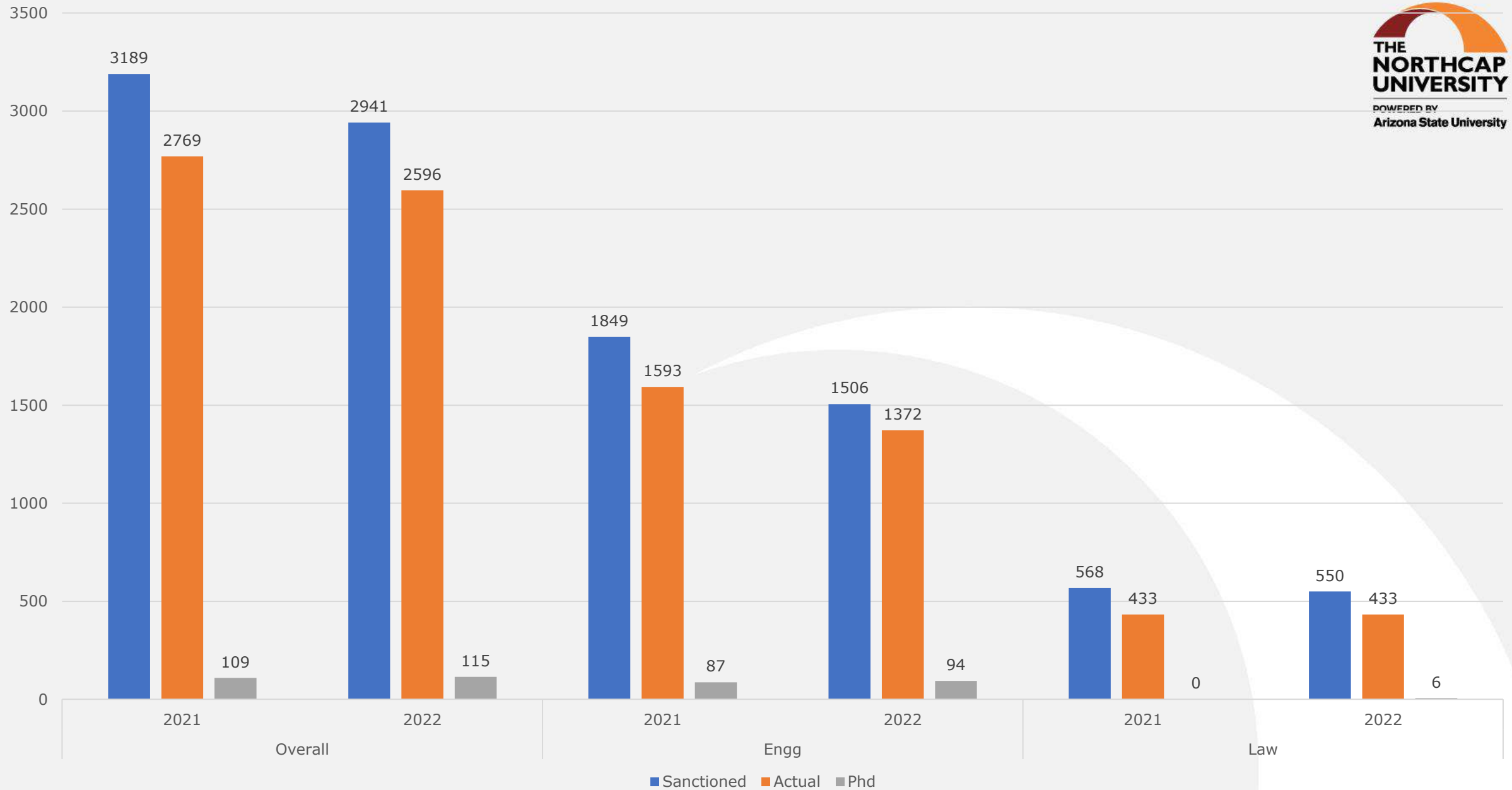
Perception

Overall	Engineering	Law
Score - 9.3/100	Score – 8/100	Score – 0/100
Email Communications to institutions/senior professors, conferences/ special lectures, Outreach activities, Circulation of Newsletters	Email Communications to institutions/senior professors, conferences/ special lectures, Outreach activities, Circulation of Newsletters,	Email Communications to institutions/senior professors, conferences/ special lectures, National Moot Court Competition, Outreach activities through legal aid society, circulation of NCU Law Review
Enhanced presence in Social media, Aggressive promotion via all members of the university		

Any Further Suggestions?

Thank You

Student STrength



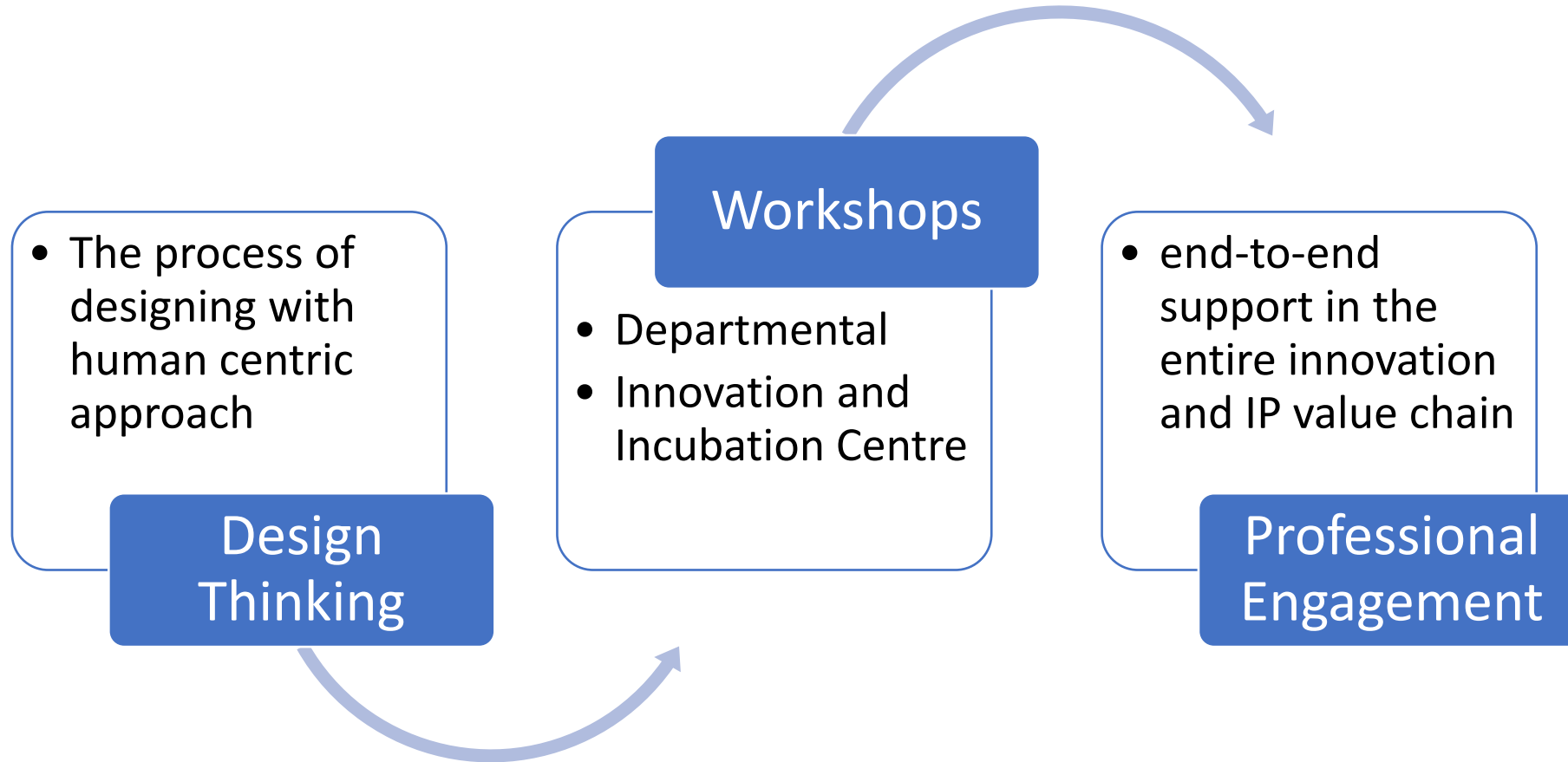
Annexure-3

Incubation and Innovation Centre

28/3/2022

Review

Roadmap for patent filing



Preparing 2 startups for patent filing

Startup 1 **Microgreens**

The team is in the process of developing the MVP

The Documentation and provisional filing will be done in May 2022

Startup 2 **Bending Sunlight**

- The team is in process of user surveys
- The MVP will be developed by May 2022
- The provisional patent will be filed in May 2022

Events held/events planned during the first quarter (Jan-March 2022)

- **Innovation and Startup Building Workshops**

- ✓ What is a Startup & Early Decision
- ✓ Customer Segments & Problem
 - Solution & Existing Alternatives
 - Unique Value Proposition, Unfair Advantage & Key Metrics
 - IP/IPR Filing
 - Cost Structure & Revenue Structure
 - Planning an MVP

- **Innovation Management**

- ✓ **Startup Idea Challenge**
 - ✓ Closing date 31st March, 2022

Continues mentoring of Ideas

- ✓ Walk In
- ✓ Via Idea Challenge

**Pitch
Competition**
April - 2022

Status of ongoing start-up projects.

- Building Financial Model

- ✓ Bigboxo
- ✓ Mbrace
- ✓ Xopto
- ✓ Playformee
- ✓ Flxclass

- Engagement with Industry

- Discussions with ASSOCHAM
- (Associated Chambers of Commerce & Industry)

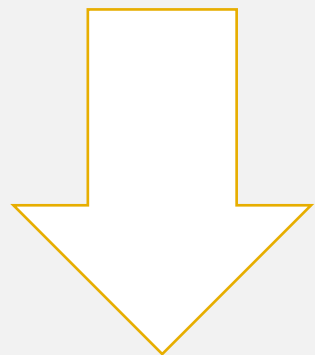
- Meeting

- Discussions with the Automobile OE Manufacturer
 - Sanoh Industrial Co., Ltd.

Annexure-4

Roadmap to QS 5 stars

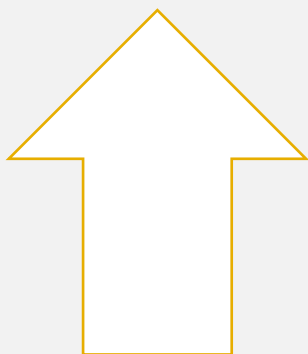
Dr. Sharda Vashisth



Minimum Score
required for QS
5 stars: **700**









Overall score
received: **650**



More focus required on











International students and Faculty

OVERALL			1000
Institutions must have at least:			
5+		<ul style="list-style-type: none">5 Star ratings in all categories and meet all prerequisites needed for 5 Stars	900
5		<ul style="list-style-type: none">5% international faculty5% international students70 points in the Learning Environment category85 points in the Employability category150 academic referees OR 3 citations per faculty member*105 points in the Teaching category^	700
4		<ul style="list-style-type: none">1% (OR 25% of the regional average) international students75 academic referees OR at least 2 citations per faculty member*85 points in the Teaching category^	550
3			400
2			250
1		<ul style="list-style-type: none">Must have the authority to grant valid degree-level programs in its own name	100

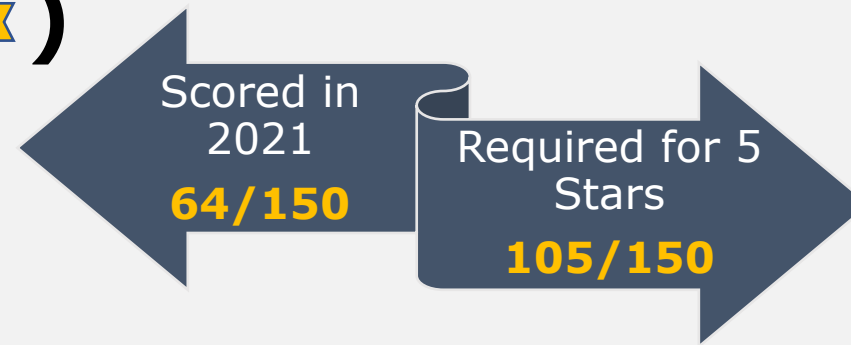
* If assessed in Research category

^ If assessed in Academic Development category

Gap Analysis

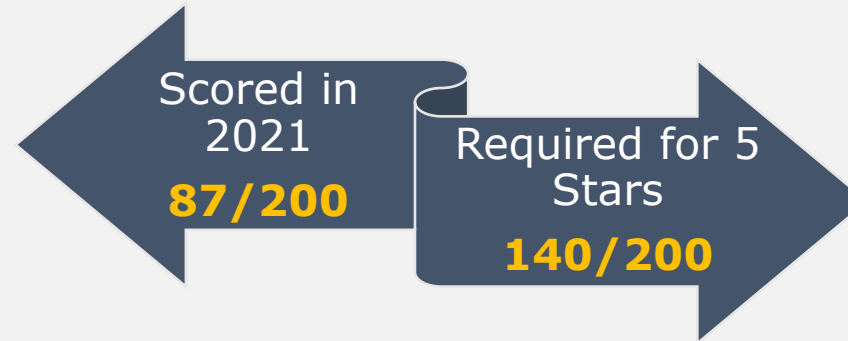
Criteria	QS Stars	Scope of Improvement
Internationalization	3 	<ol style="list-style-type: none"> 1. International Faculty 2. International Students 3. Students Exchange 4. International Diversity
Program Strength	3 	<ol style="list-style-type: none"> 1. Programmatic Accreditation 2. International Students 3. Applications per place 4. Faculty Student Ratio
Social Responsibility	3 	<ol style="list-style-type: none"> 1. Funds and 2. Volunteer hours for community investment and charity work
Teaching	5 	Faculty Student Ratio
Employability	5 	
Academic Development	5 	Teaching and Research Assistantship
Online Learning	5 	Online Outsourcing
Inclusiveness	5 	Student Cohort Diversity

Internationalization (☆☆☆)



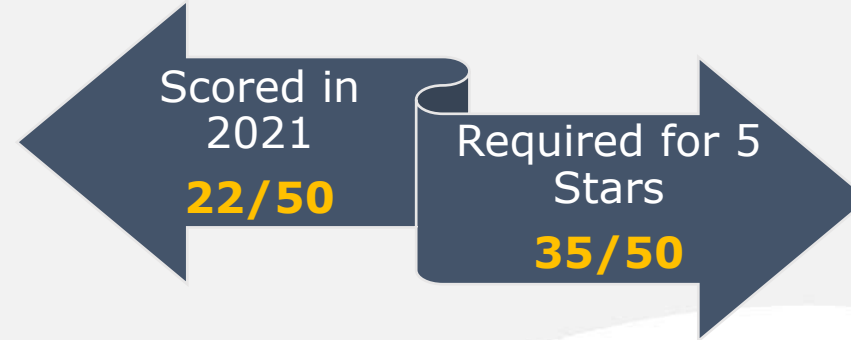
Scope of Improvement	Criteria	Score
International Faculty	25% international faculty members	20
International Students	20% international students	20
Exchange students	Inbound and Outbound exchange students (Maximum 20 points each) 2% inbound/outbound students against total number of students on an international exchange program lasting 3 months or longer OR Short-term exchange programs (Max 10 points) 2% outbound students against total number of students on an organized international trip lasting at least 2 weeks and less than 3 months	40
International Diversity	50 nationalities scaled down to 5 in student body	10

Program Strength- BTech(CSE) (☆☆☆)



Scope of Improvement	Criteria	Score
Programmatic Accreditation	Internationally recognized accreditations AND/OR Nationally recognized accreditations 25 points for each international and 10 points for each national, non-governmental accreditations specifically for the selected degree program (Maximum 50 points)	50
International Students	30% scaled down to 10% international students	20
Applications per place	10:1 ratio scaled down to 2:1 of number of completed applications against available places	20
Faculty Student Ratio	20% faculty-student ratio (1 faculty member per 5 students) scaled down to 5% (1 faculty member per 20 students)	20

Social Responsibility (☆☆☆)



Scope of Improvement	Criteria	Score
Funds for community investment and charity work	1% of turnover OR \$2 million USD contribution to community projects or charities; this includes funds donated by the institution, as well as money donated and raised by students and faculty	15
Volunteer hours for community investment and charity work	130 scaled down to 78 volunteer hours (i.e. 2.5 scaled down to 1.5 hours per week over 12 months) for each faculty and student (total FTE) in a 12-month period	15

Necessary Improvements 2022-2023

By the end of 2023...

International Faculty: we will need ~15

International Students: we will need ~250

Exchange students: active programs

Enhancement of PhD programs: international students & assistantships

Online programs for industry

Programmatic Accreditations-BTech(CSE)

Participation in QS employer's survey

Volunteer hours for community development and charity

Student diversity: gender and background

S. No.	Criteria	Responsibility
1	International Faculty:need ~15	HR
2	International Students:need ~250	International Relations Office (IRO) and Admission Office
3	Exchange students	International Relations Office (IRO)
4	Enhancement of PhD programs: international students & assistantships	Dy. Dean PhD
5	Online programs for industry	Academic Subcommittee
6	Programmatic Accreditations-BTech(CSE)	HOD CSE
7	Participation in QS employer's survey	SPA
8	Volunteer hours for community development and charity	Already initiated
9	Student diversity: gender and background	Registrar and Admission Office

Responsibility Matrix

Action taken for International Admission

- NCU registered itself with EDCIL for the admissions of International Students for the session 2022-23.
- NCU took part in an education fair in Nepal organized by Study in India
- NCU has signed MOU with the education consultants in Nepal
- Promotional activities are planned in various schools and colleges of 5 major cities (Kathmandu, Birgunj, Janakpur, Dharan, and Biratnagar) of Nepal from 28th March to 10th April 2022.

Thank You



Annexure-5

Welcome to 15th IQAC Meeting



28th March 2022(Monday)

Institution's Innovation Council and ARIIA@NCU

Institution's Innovation Council and ARIIA@NCU



- NCU is a participating Institution under the **Institution's Innovation Council (IIC)** program of **Ministry of Education (MoE)**, Govt. of India.
- We have also been participating in **Atal Ranking of Institutions on Innovation Achievements (ARIIA)**- an initiative of Ministry of Education (MoE), Govt. of India to systematically rank all major higher educational institutions and universities in India on indicators related to “Innovation and Entrepreneurship Development” amongst students and faculties.

Objectives?

- **Create an effective ecosystem of Innovation & Entrepreneurship culture at NCU.**
- **Establishing a strong startup ecosystem in campus.**
- **Develop better cognitive ability among students.**
- **Perform consistently & achieve good rankings in IIC & ARIIA.**

IIC and ARIIA (TEAM MEMBERS)

NAME & DETAILS	POSITION
DR. PANKAJ AGARWAL	CHAIRMAN, IIC & ARIIA
PROF. AVTAR SINGH	DIRECTOR, INCUBATION & INNOVATION CENTER
DR. SATNAM SINGH	VICE CHAIRMAN, IIC & ARIIA
POONAM CHAUDHARY	CONVENER
DR. SAKSHI GUPTA	SELF DRIVEN ACTIVITY COORDINATOR
DR. NIMIT GUPTA	ENTREPRENEURSHIP COORDINATOR
MD. SHAKEEL HASAN	INTERNSHIP ACTIVITY COORDINATOR
DR. POOJA SABHERWAL	INNOVATION AMBASSADOR
DR. VAISHALI SAHU	MEMBER, COORDINATOR FOR ALUMNI ACTIVITIES
DR. SUJATA	MEMBER, STUDENT ACTIVITY COORDINATOR
DR. AMAN GARG	MEMBER

Rankings & Status

Status of Participation at IIC

NCU has achieved 3-Star Ratings in the institution's Innovation Council Rating, Ministry of Education in the year 2019-20

NCU has achieved 4-Star Ratings in the institution's Innovation Council Rating, Ministry of Education in the year 2020-21

IIC Annual Performance Report (2021-22)

- Successfully submitted all the activities of Quarter 1 & Quarter 2 as per the requirements of IIC

Status of Participation at ARIIA

NCU is categorized as '**Band A**' institution (rank between 06-25) in category of 'University & deemed to be University (Private-Self-Financed)' in Atal Ranking of Institutions on Innovative Achievement (ARIIA) **2020**.

Atal Ranking of Institutions on Innovative Achievement (ARIIA) **2021** - NCU features among **Top 30 Best Performer universities** in the category of University & Deemed to be University of our country

For 2022, Pre-Qualifier is submitted.



Initiatives to foster Innovation & Entrepreneurship Culture at NCU

- Dedicated webpage of IIC at NCU website- to record activities, showcase the initiatives related to innovations, Start-ups.
- Creating online repository of developed innovative ideas/projects at IIC@NCU page.
- Student Innovation Clubs at department.
- Centres of Excellences in all departments. Showcase on NCU website.
- Innovation Ambassador Training Program
- Innovation contest by IIC@NCU.
- Organizing National Level Hackathon & project contest.
- Specialized short term certification/value added programs with focus on innovations & start-up activities.

Activities under IIC@NCU (During Sep 21- Feb 2022)

Activity Types (Quarter 1 and Quarter 2)	Number of Minimum Required Activity as per IIC	Number of Activities submitted
IIC Calendar Activities	4	11
Self Driven Activities	2	7
MIC Driven Activities	3	3

- **Quarter 1 (Thrust Area: Inspiration Motivation and Ideation)**
- **Quarter 2(Thrust Area: Validation and Concept Development)**
- **Quarter 3: Thrust area: Validation and Innovation & Business Model Development**
Activities Planned for Quarter 3 : 11 activities

With 4-star rating, we are now eligible to Mentor nearby Institutions under Mentor-Mentee Programme for IIC Institutions.

Activities under IIC (During Sep 21- Jan 2022)

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

E-CELL
The NorthCap University

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

WEBINAR ON MY STARTUP JOURNEY - UPS AND DOWNS

Speaker :-
Lakshay Khanna
Founder - Intellect Ads and V3Cars

Organiser :-
Prof. Nimit Gupta
Prof. School of Management, NCU

28th Jan 2022
2:30 PM
Microsoft Teams

Faculty Coordinator:-
1. Prof. Nimit Gupta
2. Dr. Satnam Singh: Vice President - IIC NCU

Student Coordinators:-
1. Nikki Rani
2. Giransha Madan

facebook.com/ncutcllc/ | instagram.com/ncutcllc/

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

National Workshop on Innovation for Entrepreneurial Opportunities

Dr. S. K. Nagarajan
(Annamalai University)

Date : 05-10-2021, Tuesday
Time : 4:30 PM
Platform : MS Teams

E-certificates will be given to all the participants.

Student Coordinators:
Shivam Singla
Nikki Rani
Vivek Bishnoi

Faculty Coordinator:
Dr. Esha Jain
President - IIC NCU

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

Ms. Rupali Gupta
SPARK
PARTNER & DIRECTOR
SCIENCE & INNOVATION

Talk by Alumni Entrepreneur

Topic:
Career Options in the
field of Environmental Engineering

Friday | 11:30-12:30 PM | 21 JAN 2022

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

CIPRART SCHOOL OF LAW

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

IPloea
The IP Professional

Convert your initial ideas into Patents

Speaker
Latika Khanduja
Founder of IPLOEA, Expert Patent firm

20 November 2021
11:30 AM - 12:30 PM
Seminar Hall, NCU

Topics to be covered
Brief overview of different forms of IPR
How do you convert initial ideas into patents?
Do's and don'ts before applying for a patent
How to get a Patent in India?
How we can help you in getting a patent?

Event Coordinator:
Dr. Tapaswita Pakrashi,
Assistant Professor (Selection Grade)

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

AN INTRODUCTION TO NEURO LINGUISTIC PROGRAMMING

28th Jan 2022
2:30 PM (IST) | 10:00 AM (Stockholm, Sweden)

Dr. Deeksha Thakur
Certified NLP practitioner

E-certificates will be provided to all the participants.

1 Hour Community Service

Faculty Coordinators
Prof. Pankaj Agarwal
Dr. Sujata Bhutani

Student Coordinators
Shruti Gupta (9860062800)
Aayush Jain (9650095920)
Yogesh (7291009448)

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

MINERVA SOCIETY
The NorthCap University

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

Session on Achieving Problem- Solution Fit & Product- Market Fit

By Department of Applied Sciences
Dr. Avtar Singh
(Director, Start-up, NCU)

Date : 25-01-2022, Tuesday
Time : 1:00 PM IST
Platform : MS-Teams

E-certificates will be given to all the participants.

Student Coordinators:
Ritesh Sharma
Shivam Singla
Aastha Sharma

Faculty Coordinator:
Dr. Sakshi Gupta
(Member Secretary - IIC, NCU)
Dr. Anshu Malhotra

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

INSTITUTION'S INNOVATION COUNCIL
Presents a webinar on
**INNOVATION DEVELOPMENT &
TECHNOLOGY READINESS LEVEL**

Register Now

18th Jan' 2022
11 AM onwards

Speaker
Saurabh Trivedi
(Co-Founder & Director
at Boudhik Ventures)

E-certificates for all participants

Student Coordinators
Aayush: 9650095920
Pooja: 9891920404
Yatin Bajaj
Shruti Gupta
Yogesh Aggarwal

Faculty Coordinators
Prof. Nimit Gupta
Prof. Pankaj Agarwal
Dr. Sujata Bhutani

THE NORTHCAP UNIVERSITY AND THE DEPARTMENT OF EEECE INVITE YOU TO

A WORKSHOP ON THE POWER OF AN IDEA

Avtar Singh
Professor And Director, Incubation And Startups

Room no. 218, 28TH Sept. 2021 - 11:00AM

THE NORTHCAP UNIVERSITY
POWERED BY Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(University of Education Initiative)

STICTH
Society for Technology Innovation and Creativity

FACULTY STUDENTS ALUMNI

FACULTY CO-ORDINATOR - DR. POOJA SABHARWAL (EECE)

Activities under IIC (During Sep 21- Jan 2022)

IInd Startup Idea Challenge - 2021



Introduction	Criteria and Target Sectors	Process	Benefit	APPLY
WHO 10 students/faculty/alumni startup teams will be selected	WHAT Incubation program, mentoring, funds, prizes, office space	WHERE Startup Innovation and Incubation Centre, NCU Campus.	WHEN II nd Startup Challenge 2021: Apply : Sept 1 – Sept 30.	

Google Developer Student Clubs
The Northcap University



#30DaysOfGoogleCloud

Register Now

27 Sept - 27 Oct

- Free Quick Labs Credit
- Schwag from Google on completion

Contact
Rohit Dalal
8607083519
GDSC Lead



THE EECE DEPARTMENT AND IIC
PRESENTS WEBINAR ON
**CARBON
CAPTURE
AND
STORAGE**
ON
NATIONAL ENERGY CONSERVATION DAY 2021



14 Dec. 2021 | 3:00 pm IST



INAUGURAL CEREMONY
30 SEPTEMBER 2021
8:00 PM
SPEAKER: Dr. Sudeendra Koushik

Webinar On Data Science and Machine Learning
1 OCTOBER 2021
6:00 PM
SPEAKER: Mr. Shivam Abhishek

Webinar On Full Stack Technologies
2 OCTOBER 2021
6:00 PM
SPEAKER: Mr. Sumit Kumar

Webinar On Entrepreneurship
2 OCTOBER 2021
7:00 PM
SPEAKER: Mr. Shivam Doodhappa Aji

Webinar On Block Chain
3 OCTOBER 2021
6:00 PM
SPEAKER: Dr. Pooja Sapra

Webinar On Entrepreneurship
3 OCTOBER 2021
7:00 PM
SPEAKER: Ms. Kallu Sudarson S S

**National Workshop on
Generating Ideas: Raw Material for
Innovation**

Mr. Himanshu Nautiyal
(Founder - Arham Corporate Excellence)

Date : 04-10-2021, Monday
Time : 04:30 PM
Platform : MS Teams

E-certificates will be given to all the participants.

Student Coordinators:
Shivam Singla
Nikki Rani
Vivek Bishnoi

Faculty Coordinator:
Dr. Esha Jain
President - IIC NCU

GLOBAL AIR POLLUTION
From Milan to Almaty: Causes, Effects and Innovative Solutions to Air Pollution

Dr. Alberto Frigerio
Dean of the School of Politics and Law
Almaty Management University, Kazakhstan

4th October 2021 | 2:30 pm (IST) onwards

Activities under IIC (During Feb-March 2022)

THE NORTHCAP UNIVERSITY
Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(Library of IIC Institute)

Centre Of Excellence- Data Science
In Association With IIC Presents

DESIGN YOUR WAY

Website Designing Contest

4th Feb, 2022 - 8th Feb, 2022

Prototype Submission By:
8 PM, 5th Feb 2022

Register Now

BEST 3 PROJECTS WILL BE FORWARDED FOR VC INNOVATION FUND

THEME: DATA SCIENCE & MACHINE LEARNING

MAX TEAM SIZE : 5

Faculty Coordinators
Prof. Pankaj Agarwal
Dr. Rita Chhikara
Dr. Sujata Bhutani

Student Coordinators
Yatin Bajaj (99015 69574)
Pooja Setni (98919 20404)

THE NORTHCAP UNIVERSITY
Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(Library of IIC Institute)

EPISODE

2

A workshop on Customer Segments & Problem

SPEAKER
AVTAR SINGH
Professor of Practice & Director
Startups & Incubation

28 FEBRUARY
3PM – 4PM

Join Us
Incubation and
Innovation
Series
2022



THE NORTHCAP UNIVERSITY
Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(Library of IIC Institute)

E-Cell Club, School of Management & Liberal Studies in collaboration with Institution's Innovation Council (IIC), The NorthCap University presents

A Discussion on ENTREPRENEURIAL MARKETING

Prospects and Challenges

24 FEB 02:30 to 03:30 PM



Dr. Purvi Pujari
Associate Professor
BVMER, Navi Mumbai

Faculty Coordinators:
Prof. Swarnjeet Anura (HOD @ SOM)
Prof. Mihir Gupta (SOM)
Ms. Shikha Yadav (SOM)
Mr. Deependra Singh (SOM)

Student Coordinators:
Anish Sharma
Garima Paliya

The NorthCap University, Gurugram.

*E-certificates to all the participants.

THE NORTHCAP UNIVERSITY
Arizona State University

INSTITUTION'S INNOVATION COUNCIL
(Library of IIC Institute)

Center for Intellectual Property Rights,
Research, Advocacy & Training, School Of Law

In association with
**Institutions Innovation Council,
The NorthCap University**
organises workshop on

INTELLECTUAL PROPERTY RIGHTS AND IP MANAGEMENT FOR STARTUP

25 February, 2022
12:30p.m. - 1:30p.m.



Dr. Kalpeshkumar L. Gupta
Associate Professor of Law
Parul University, Vadodara

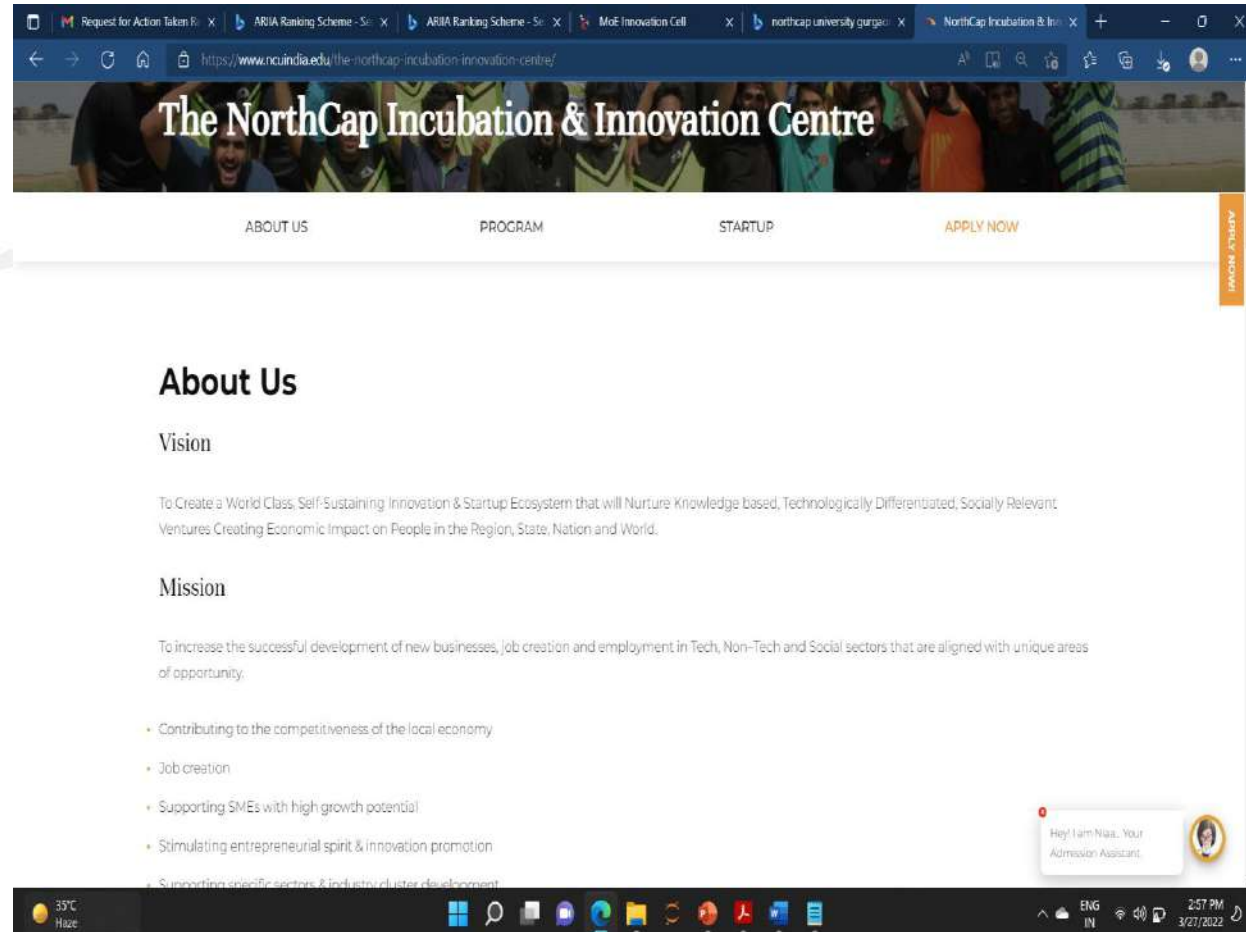
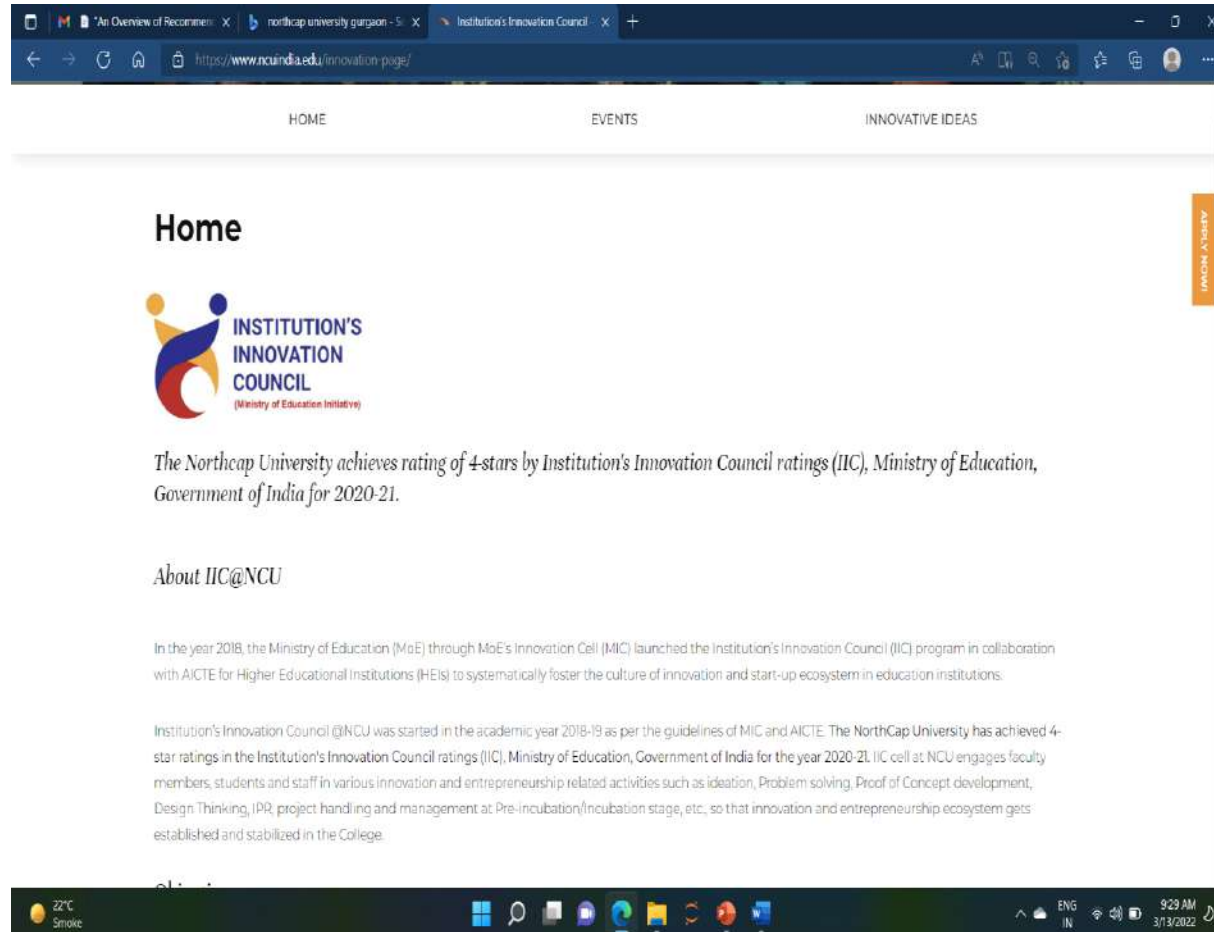
Faculty Coordinator
Dr. Unanza Gulzar
Assistant Professor, School of Law

Dedicated webpages for IIC & Incubation Centre



NCU IIC Webpage: <https://www.ncuindia.edu/innovation-page/>

Incubation Center: <https://www.ncuindia.edu/the-northcap-incubation-innovation-centre/>



NCU Online repository of developed innovative ideas

<https://www.ncuindia.edu/innovation-page/#events2>

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Institution's Innovation Cou..." and the address bar shows the URL "https://www.ncuindia.edu/innovation-page/#events2". The website has a navigation bar with "HOME", "EVENTS", and "INNOVATIVE IDEAS" (highlighted in orange). Below the navigation bar, the page title "Innovative Ideas" is displayed with a dropdown menu set to "-All-". A vertical orange button labeled "APPLY NOW!" is on the right side. The main content area features three cards:

- AUTONOMOUS MULTIPURPOSE ROBOT**
SRISHTI SINGHAL
Dr. Vandana Khanna
The main motive of this Agrobot is to show the phase of the contemporary trends and execution of Agricultural and automatic systems and layout the propensity for subsequent applications. Diverse applications of automatic machines in agricultural domain have been researched and collated with traditional systems. The prime intention for developing Agrobot is to reduce the time and skilled effort that is put for agricultural practices and wherein make these practices fully automatic.
- Payload Monitoring system**
Nishant Yadav, Nishita Yadav, Nishita Yadav
Dr. Anjali Garg
In most vehicles now the dashboard consists of a speedometer, a temperature indicator, a pressure indicator and fuel gauges. No provision has been provided for indicating load on the vehicle. The load of the vehicle is measured in the specific weight range. Automatically calculating or estimating the total payload delivered to the vehicle by the excavator's work tool is one way to measure the total weight of the material loaded into a truck. It is possible to ensure that the mining truck's poten
- NCU Own Brainport**
Virendra Pratap
Dr. Srishti
This study has proposed the problem of legal blindness in a very unique manner, we are going to target people with "Total Impairment". Subjects who are totally blind, shall be tested with the setup that is prepared for the sensory substitution: Raspberry Pi Camera and Raspberry Pi ATMEGA controllers Sense matrix and interface Lollipop Battery and controllers

The bottom of the screen shows a Windows taskbar with the date and time "3:00 PM 3/27/2022" and the language "ENG IN".

Student Innovation Clubs

Innovative & Creative activities through Student Clubs

School of Management

- Entrepreneurship Cell

School of Law

- Legal Incubation Cell

Computer Science & Engineering

- Omega Innovation Club
- VISUALIVE – The Creative Society
- Tinkering Lab

Electrical, Electronics and Communication Engineering

- Creator's Garage
- Researchers' Club
- The Sapient Club

ME Department

- Robotics Club

Department of Applied Science

"Innovate to Elevate"

Certified Innovation Ambassadors from NCU

SN	Name
1	Dr. Pooja Sabherwal
2	Dr. Satnam Singh
3	Dr. Vaishali Sahu
4	Dr. Rita Chhikara
5	Poonam Chaudhary
6	Prof. Avtar Singh



Dr. Pooja Sabherwal, ECE has successfully completed the Innovation Ambassador training (Advanced Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021.

Role: organizing various programs related to innovation, startup and spread the message of innovation & start-up among the students and faculties.

Centers of Excellences

- Navic Lab- supported by ISRO
- Automation Lab in association with Mitsubishi
- Centre of Excellence in Data Science
- Centre of Excellence in Cyber Security
- Robotics Lab
- CASE Centre



THE NORTHCAP UNIVERSITY
POWERED BY
Arizona State University

Big Data Analytics
Training and Certification Program
13th June -23rd July 2022
Organized by Department of CSE,
The NorthCap university, Gurugram, India

25 YEARS OF EXCELLENCE

QS STARS[®] RATING SYSTEM
TEACHING EMPLOYABILITY ONLINE LEARNING
2021

Top UG Data Science Programmes in India
By Analytics India Magazine
2021
CMM

DATA SCIENCE EDUCATION EXCELLENCE
TOP 50 COURSES IN INDIA
CMM

DATA SCIENCE EDUCATION EXCELLENCE
TOP 100 COLLEGES IN INDIA
CMM



THE NORTHCAP UNIVERSITY
POWERED BY
Arizona State University

Top UG Data Science Programmes in India
By Analytics India Magazine
2021
CMM

DATA SCIENCE EDUCATION EXCELLENCE
TOP 50 COURSES IN INDIA
CMM

DATA SCIENCE EDUCATION EXCELLENCE
TOP 100 COLLEGES IN INDIA
CMM

QS STARS[®] RATING SYSTEM
TEACHING EMPLOYABILITY ONLINE LEARNING
2021

Real World Data Science Projects
Six Weeks Summer Internship Program
13th June -23rd July 2022
Organized by
Center of Excellence on Data Science Department of CSE,
The NorthCap university, Gurugram





Thank You