	THE NORTHCAP UNIVERSITY	REVIEW DATE:
	16th IQAC Minutes of Meeting	Sheet 1 of 32

From: **Convener – IQAC**To: **All Concerned**CC: Hon'ble GB, Secretarial, Pro-Chancellor's
Office, VC Office

Date: 16 Dec 2022

IQAC/MOM/Dec/2022/01

The 16th IQAC meeting was held on **Wednesday i.e., 14 December 2022** from **11:00 AM** in the **Smart Classroom** of the University.

The main agenda points of the 16th IQAC meeting were:

Item No.1: **Confirmation of Minutes of 15th IQAC Meeting held on 15 March 2022 (attached as Annexure#01) and update on action taken on pending issues if any. (Dy. Dean IQAC)**

Item No.2: **New IQAC committee formation and reporting structure. (Dy. Dean IQAC)**

New committee list is attached as **Annexure#02**.

Item No.3: **NAAC cycle 2 peer team observation and recommendations and plan of action – IQAC Team**

Dy. Dean IQAC and Dy. Registrar will present the NAAC cycle 2 Peer Team observations and recommendations and plan of action for the implementation of the same.

Item No.4: **Approval of the updated forms and NAAC manual –** The IQAC team at The NorthCap University (NCU) has worked towards streamlining the processes and standardizing the documents for effective functioning across all departments keeping in mind the ranking and the accreditation framework. Due to updation in processes across all departments over the years there was a need to align the forms, SoPs and prepare a standardized manual for referring to the processes and required documentation for each activity.

IQAC team shall present the same for member's approval.

Item No.5: **Quality and innovation initiatives by RDIL to boost research at NCU –**

Dr. Nitin Malik – Dy. Dean (RDIL) shall present the Quality initiatives to be implemented in the university to boost research and innovation.

Item No.6: **Discussion on UGPCF - prescribed by Haryana State Higher education council and other NEP initiatives - Dean Academics Affairs**

Dean Academic Affairs will present the progress on UGPCG and initiatives taken by the university with respect to NEP-2020.

Item No.7: **Any other item with the permission of the chair.**

The following members attended the meeting:

1) Prof. (Dr.) Nupur Prakash (Vice- Chancellor)	Chairperson, Head of Institution
2) Prof. Prem Vrat (Pro- Chancellor)	Representative, University Management
3) Ms. Manvi Arora (Dy. Registrar)	Senior Representative, University Administration
4) Ms. Deepika Deswal (Dy. Manager HR)	Representative, University Administration
5) Prof. Manoj Kumar Gopaliya (Dean Academics)	Teacher Representative
6) Prof. Rita Chhikara (HOD - CSE & IT)	Teacher Representative
7) Prof. Nitin Malik (Deputy Dean-PhD & RDIL)	Teacher Representative
8) Prof. Nimit Gupta (HOD-Management Studies)	Teacher Representative
9) Dr. Sona Vikas (HOD Com. & LS)	Teacher Representative
10) Dr. Archana Sharma (HOD – School of Law)	Teacher Representative
11) Ms. Nidhi Agrawal (COO & Engg. Head, NIA Agrocommodity Marketplace Pvt. Ltd. Gurugram)	Industry Representative
12) Mr. Surendra Singh Grover (Director -CPAA)	Stakeholder
13) Prof. Swaran Ahuja (Academic Advisor)	Special Invitee
14) Prof. Sharda Vashisth (HOD - EECE)	Special Invitee
15) Col. Bikram Mohanty- Registrar	Special Invitee
16) Dr. Satnam Singh- Assoc. Prof. (ME)	Convener, IQAC
17) Prof. Rekha Vig (Dy. Dean IQAC)	Member Secretary, IQAC

Minutes:

1. **Prof. Rekha Vig, Dy. Dean IQAC** welcomed all the members and special invitees for the 16th IQAC meeting in the smart classroom.
2. **Prof. C.B. Gupta** was appreciated for his valuable contribution towards the IQAC cell of The NorthCap University for the last two years.
3. **Prof. Rekha Vig, Dy. Dean IQAC** presented the detailed agenda for the 16th IQAC meeting.
4. **Prof. Rekha Vig, Dy. Dean IQAC** presented the confirmation of minutes and Action Taken Report for the 15th IQAC meeting which was held on **15 March 2022**. The minutes were confirmed and hence closed. The detailed action taken report is attached as part of **Annexure I**.
5. **Prof. Rekha Vig, Dy. Dean IQAC** presented the updated committee of IQAC Cell, NCU and is attached as **Annexure II**.

6. **Ms. Manvi Arora (Dy. Registrar)** presented the NAAC cycle 2 peer team observations and recommendations (attached in **Annexure III**). Major discussion for the action plan of recommendations was carried out and important points are mentioned below:
- **Vice Chancellor Prof. Nupur Prakash** asked Incubation Centre in-charge to look for the Chartered Accountant services from STPI for startups.
 - The number of patents in the last year were reported where 16 patents were applied, 13 were published out of which 10 were funded by University and 3 patents were granted.
 - The parameter for research and consultancy needs major improvement. As per the comments of **Pro-Chancellor Prof. Prem Vrat**; faculty needs to apply for funding from Industries and private organizations through collaborations/research/consultancy.
 - For criteria 6, the leadership for departments needs handholding where stars are to identified and grooming is required. The major issues for effective leadership is stability among the faculty members for longer tenure.
 - IQAC needs to conduct more events on quality related issues for all the stakeholders. Funds from NAAC may be utilized for this purpose.
 - For criteria 5, **Vice Chancellor Prof. Nupur Prakash and Pro-Chancellor Prof. Prem Vrat** emphasized on streamlining the data collection process for all the events using ERP generated links.
 - Further, focus on improving the alumni relation needs to be improved. It was urged to make life interesting for students so that emotional bonding can be ignited among the outgoing students. More efforts to be made on better teaching-learning process and reduce the stress on faculty.
 - Publication needs improvement in terms of quality as well as quantity. Ms. Nidhi Aggarwal suggested to that the quality work from B. Tech. projects can be published in reputed journals. She also asked Institute to arrange training for students on how to write and publish quality research papers.
 - All the outreach activities such as village adoption/FDPs/MDPs needs proper paper work with geo tagged photographs and attendance records.
 - The NorthCap Innovation and Incubation Centre to be converted into section 8 company entity for supporting startups and receiving funding.
 - Focus on the number of PhD intake for uplifting the research.
7. **Prof. Rekha Vig, Dy. Dean IQAC** presented the updated forms and NAAC manual for approval from the stakeholders. The complete process was explained and this will lead to the proper data collection throughout the schools and departments. The online repository will be integrated with the ERP system for systematic data collection process. The forms and NAAC manual was approved and hence closed. The data regarding the same is attached as **Annexure IV**.
8. **Dr. Nitin Malik – Dy. Dean (RDIL)** presented the Quality initiatives to be implemented in the university to boost research and innovation. The data presented is attached as **Annexure V**. The following major discussion points were reported:

- **Vice Chancellor Prof. Nupur Prakash** asked RDIL to organize various research-based sessions/workshops under the guidance of **Pro-Chancellor Prof. Prem Vrat**.
 - It has been observed that there is frequent guide change for PhD students which hampers the progress of research. RDIL to address on this issue.
 - The PCN/ACN guidelines needs to be restructured so that the publication data can be captured directly from the faculty members and no need for PCN coordinators at department level is required. Reduce the unnecessary burden of the faculty members.
 - The weakest area is sponsored projects, for which **Prof. Prem Vrat** suggested to tap the CSR funding available from the industries. **Ms. Nishi Aggarwal** suggested that the placement coordinators can play an important role in getting the CSR funding from industries through the alumni connect.
 - The institute is doing good in terms of patent publications.
 - The PhD students needs to focus on quality publications and they cannot be given theory classes. PhD students cannot be the course coordinators for the subjects and can only be given laboratory workload and assignment preparations.
 - The university fellows are reducing and RDIL needs to address the same and should work in the direction to uplift the same.
9. **Dean Academics Affairs** presented the roadmap for UGPCF - prescribed by Haryana State Higher education council and other NEP 2020 initiatives. The data is attached as **Annexure VI. Heads of the departments** needs to define proper credit levels for multiple entry-exit programmes. Prof. Prem Vrat suggested that this is an opportunity to make up entries for the loss of admissions. CPAA to check from the employers for the employability of the students which will be enrolled under multiple entry-exit scheme.
10. **Prof. Nupur Prakash (Vice Chancellor)** appreciated the efforts and presentations from the IQAC members.

Meeting ended with the vote of thanks by **Prof. Rekha Vig**.



Dr. Satnam Singh

IQAC Convener



Prof. Rekha Vig

IQAC Dy. Dean


Annexure - I

Review & confirmation of minutes of **15th IQAC Meeting** held on **28th March 2022**.

Recommendation during 14th IQAC meeting	Action Taken
<p>1. NIRF Status and Analysis for 2022.</p> <p>1a) Steps to be taken to improve the faculty with Ph.D., Placement record, median salary, graduating Ph.D., perception etc. to improve the NIRF ranking.</p> <p>1b). SPA needs to collect proofs of placement and higher studies data.</p> <p>1c). 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.</p> <p>1d). 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.</p>	<p>The NorthCap University achieved rank 96 in Engineering category and Overall ranking was between 150-200 in 2022. Efforts in various areas have resulted in an increase in median salary, no. of Ph.D. graduated, record of offer letters, however HR still needs to work on recruiting faculty with Ph.D.</p> <p>A proper process is in line now where all proofs are collected by CPAA</p> <p>The perception team is putting directed efforts for improving perception of the University.</p> <p>All departments/schools have been notified of the requirement and importance of conducting Value Added Courses. An activity sheet has been shared with all HoDs/DoSs to fill the details of the planned VAC for the upcoming semester (Jan-Jun 2023)</p>
<p>2a). Status of patent filing on two startups.</p> <p>2b). Status and follow-up of startups and incubation centre activities.</p>	<p>The two patents on startups were submitted and same got published: i) Self-sustaining illuminator under application number 202211048993 A published on 27th August, 2022 ii) Self Propagating Pot under application number 202211037920A published on 15th August, 2022.</p> <p>The NorthCap Incubation and Innovation Centre (NIIC) is planning finalised the Startup Management as an Open Elective / Value Added Course starting Jan 2023 to the students of the NorthCap university and alumni with STPI APIARY, Gurugram.</p>

	<p>The NorthCap Incubation and Innovation Centre (NIIC) launched the 2nd Startup Idea Challenge - 2022 for Students/ Faculty/Staff to submit their project your unique idea to become the founder of a startup.</p> <table><tr><th>S.No.</th><th>Name</th><th>Roll No.</th><th>Team Members</th><th>Startup Idea</th></tr><tr><td>1.</td><td>Dhwani Bhasin</td><td>22BBA055</td><td>One</td><td>Plastic in Roads</td></tr><tr><td>2.</td><td>Shadab Alam</td><td>19CSU284</td><td>One</td><td>Traffic Light Optimizer using M</td></tr><tr><td>3.</td><td>Laksh Madaan</td><td>21BCA004</td><td>Two</td><td>7T Technologies (Ride Share</td></tr><tr><td>4.</td><td>Yash Bansal</td><td>20CSU197</td><td>One</td><td>Mental Health</td></tr><tr><td>5.</td><td>Yashwin Bahl</td><td>21CSU509</td><td>Two</td><td>Poshan</td></tr><tr><td>6.</td><td>Yogesh Aggarwal</td><td>19CSU361</td><td>One</td><td>Valence</td></tr></table>	S.No.	Name	Roll No.	Team Members	Startup Idea	1.	Dhwani Bhasin	22BBA055	One	Plastic in Roads	2.	Shadab Alam	19CSU284	One	Traffic Light Optimizer using M	3.	Laksh Madaan	21BCA004	Two	7T Technologies (Ride Share	4.	Yash Bansal	20CSU197	One	Mental Health	5.	Yashwin Bahl	21CSU509	Two	Poshan	6.	Yogesh Aggarwal	19CSU361	One	Valence
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<p>2c). Discussions with industries for possible association with NCU’s Incubation centre.</p> <p>2d). Ms. Nidhi Agrawal suggested to have a more structured process for incubating the pass out students. Status of SoP and guidelines for patent filing in consultation with Dr. Unanza from SoL.</p>	<p>Internal Launch of CINTANA-ASU International Competition at the NorthCap University in 3rd week of December 2022.</p> <p>Patent policy was presented in 13th IQAC Meeting, applicable to all stake holders of NCU. https://www.ncuindia.edu/ipr-cell/</p> <p>SOP’ related to financial assistance and patent application are in the link below https://drive.google.com/drive/folders/1TKSi0s02AxmeOdjG--rDZs2KOxp_0LL0?usp=share_link</p>																																			
<p>3. Status and Ranking in QS star rating.</p> <p>3a) Status of focus on Internationalization by admitting international students & recruiting international faculty. EDCIL status for the admissions of International Students.</p> <p>3b) Focus on student exchange & short-term exchange programs through our foreign collaborations.</p> <p>3c) International Accreditations like NBA for CSE program will be an added advantage.</p>	<p>The QS star rating validity is from 17/06/2021 to 17/06/2024. The detailed review report was presented in the 15th IQAC meeting along with the scope of improvements.</p> <p>The year 2023 is important from this point of view. IQAC team is requested to take note of it and coordinate the actions required to improve the QS star rating as per the report presented</p> <p>IRO is trying to improve scores on internationalization by student and faculty exchange programs.</p>																																			
<p>4. Vice Chancellor Innovation Fund Scheme status.</p>	<p>The Vice-Chancellor Innovation Fund Scheme (VCIF) is renamed as Vice -Chancellor Merit Scholarship Scheme for Innovation (VCMSSI) from December 2022.</p> <p>For the AY 2021-22, fund of Rs 5,46,257 approved out of which Rs 1,44,457 released.</p> <p>For the AY 2022-23, fund of Rs 5.12 Lakhs is requested and Rs 2.0 Lakhs is released.</p>																																			

<p>5. IIC and ARIIA activities for 2022.</p>	<p>Startups need to be registered as section 8 company for getting funding under VCMSSI</p> <p>The NorthCap University secured 3.5-star rating for AY 2021-22.</p> <p>ARIIA result is still awaited.</p>
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 <p>THE NORTHCAP UNIVERSITY POWERED BY Arizona State University</p>	<u>INTER OFFICE MEMO</u>	Review Date:
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From : Registrar

To : All IQAC members, DOS / HODs

CC : GB, PC, VC & VC Office

02 December 2022

SECR-01/IOM/218/2022

REVISED COMPOSITION OF NCU IQAC COMMITTEE

- Reference is made to this office IOM No. SECR-01/IOM/146/2022, dated: 07 September 2022.
- Due to turnover of number of Faculty & Staff members, the new composition of NCU IQAC Committee based on NAAC guidelines is as under:

Chairperson	Prof. (Dr.) Nupur Prakash Vice-Chancellor	Head of Institution
Members	Prof. Prem Vrat Pro-Chancellor	Representative from the University Management
	Ms. Manvi Arora Deputy Registrar	Senior Representative from the University Administration
	Ms. Deepika Deswal Dy. Manager HR	Representative from the University Administration
	Prof. Manoj Kumar Gopaliya Dean Academics	Teacher Representatives
	Dr. Rita Chhikara HOD & Professor, CSE	
	Prof. Nitin Malik Dy. Dean Ph.D / RDIL	
	Prof. Nimit Gupta HoD – Management Studies	
	Dr. Sona Vikas HoD – Commerce & Liberal Studies	
	Dr. Archana Sarma HOD & Associate Professor, SOL	
	Mr. Sunil Kumar Sobti Retired DGM, Canara Bank Advisor (Finance & Accounts) GGs Indraprastha University, Sector 16 C, Dwarka, Delhi	One representative each from local society, students & alumni
	Ms. Tanishka Tayal, 19CSU318 Student Representative	
	Ms. Ankita Jain Alumnus	
	Mr. Sharad Mishra VP HR – Andritz Hydro Pvt.Ltd. New Delhi	One representative each from Employers, Industrialist and stakeholders

	Ms. Nidhi Agrawal COO & Engg. Head NIA Agrocommodity Marketplace Pvt. Ltd., Gurugram	
	Mr. Surendra Singh Grover Director - Centre of Professional Attachment & Alumni Engagement	
	Dr. Satnam Singh Associate Professor, ME	Convenor IQAC
Dy. Dean IQAC	Prof. Rekha Vig. CSE	Member Secretary

3. The tenure of the committee will be for three years, w.e.f. 02 December 2022.



Col. Bikram Mohanty (Retd.)
Registrar

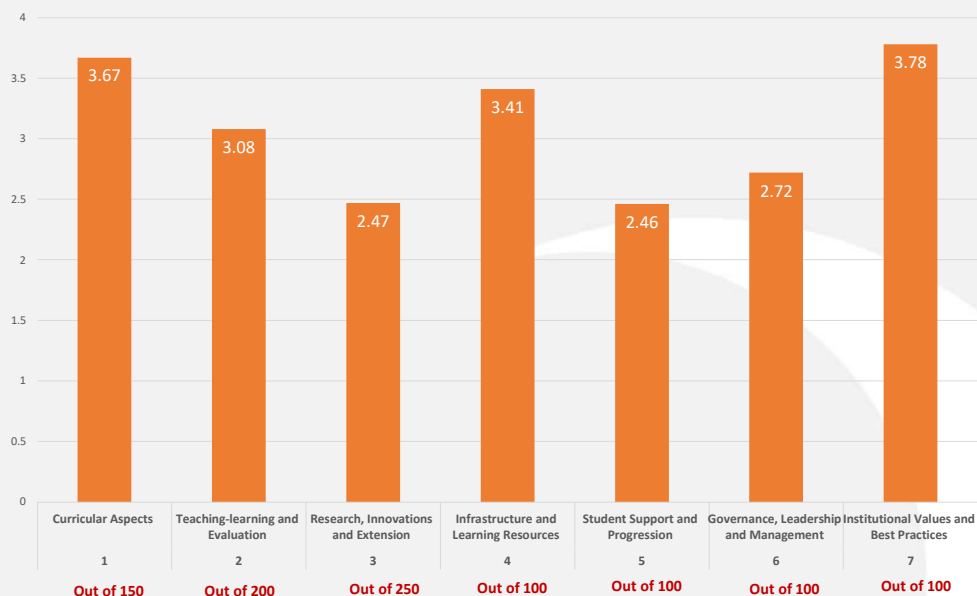
ANNEXURE - III



16th IQAC Meeting **NAAC** **CYCLE 2** **Recommendation &** **Action Plan thereafter**

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NAAC – Grade 'A' : Score – 3.02



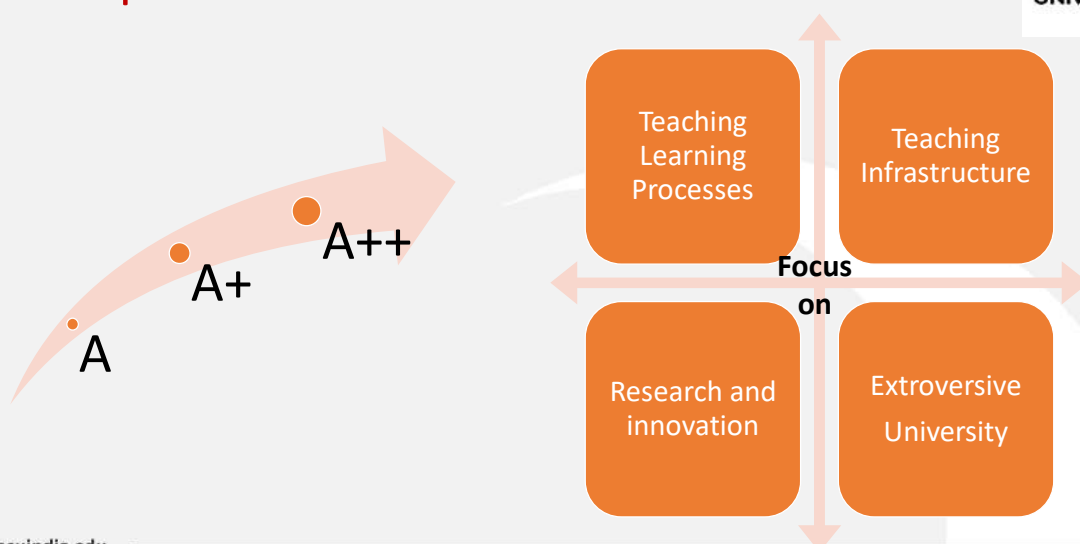
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Recommendations for Quality Enhancement by the NAAC Cycle 2 Peer team



- Active functional collaboration with premier research institutes involving collaborative activities
- Innovation eco system should be aligned with NISP 2019, by establishing incubation centre as section 8 companies act
- Separate Board of Studies needs to be constituted for the programs of liberal arts and library be enriched accordingly
- Cadre proportion should be improved across all the schools
- UGC Status 12B may be sought earliest to attract government funding
- Funded research industrial consultancy and quality publication needs to be further strengthened
- Central Research Facilities may be further strengthened
- Facilities for transport and day care may be provided
- Industry supported faculty refresher programs and honing of managerial skills of non-teaching staff
- One day off from teaching assignments for promoting research and introduction of dual degree program

B. Improvement in Grade



Teaching learning Processes



1. More number of Value added and skill based courses to be conducted by each department/school

- Targets to be set for each department/school
- List to be shared with Dean Academic Office before the start of each semester
- Soft skill development VA course by CLL
- ASU course content to be used for value added courses

2. Advanced learners and slow learner modules to be developed

3. NEP-2020: Offer Minors through open electives (groups to be formed)

4. Internationalization of education

- Co-teaching from ASU and other international university professors
- Co-projects, global lectures

5. Community services – Conduction of charity events from NCU students and adopted village kids

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Feedback System at NCU



Current student feedback

- On ERP before the end of semester
- TL process, infrastructure, Mentoring etc

Exit Student feedback

- Feedback on POs
- Before the result declaration on ERP

Alumni feedback

- Once a year

Faculty feedback

- TL processes, curriculum, Facilities, policies
- By HR

Employer feedback

- On Curriculum
- To be taken by SPA

Parent Feedback

- During PTMs or on PIS

NAAC Student Satisfaction Survey

- Annually as per NAAC requirements
- on ERP

Feedback on CANVAS

- On ERP

Student-Teacher Feedback

- To include CO qualitative attainment

Feedback of industry and academic experts

- On curriculum and Syllabus

Feedbacks to be taken are identified and conducted.

The following needs to be streamlined:

1. The forms need to be standardized
2. To be collected on specific dates
3. Responsibilities to be allocated
4. Feedbacks need to be analyzed and action to be taken

Teaching infrastructure and Systems



Digitization

MOOC development

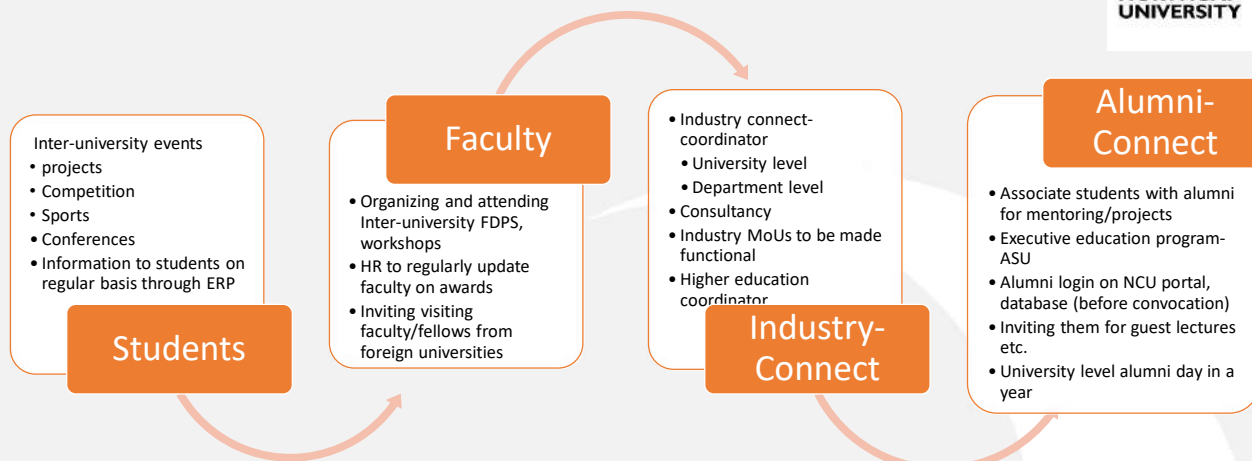
- Lecture recording infrastructure
- Two modules per department/school every semester

Center of lifelong learning



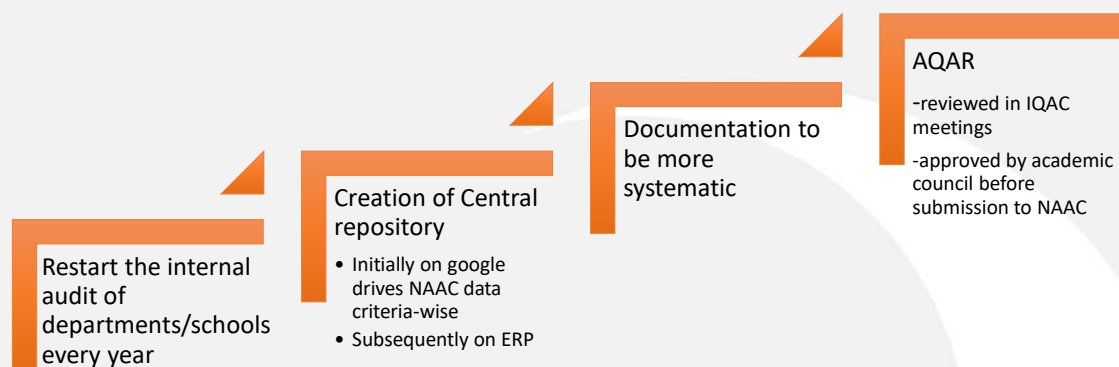
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Extroversive University



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Overall quality improvement- IQAC Immediate to One year



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Immediate Actions to be taken



**Vision to build
Institutional
Strength**

- **Establishment of Accreditation/ Linkages/Consultancy office with appointment of dedicated staff**
- **NorthCap Incubation and Innovation Centre to be registered as Business Incubation Centre under Section 8 of The Companies Act 2013**
- **School of Management to have two departments- Department of Management and Department of Liberal Studies**
- **NCU to have collaboration with Publishing House, Research Centres, IPR agencies and Skill Councils to strengthen the research ecosystem**

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ANNEXURE - IV



XVI IQAC Meeting Agenda No. 4

Approval of the updated forms and NAAC manual

Dr. Rekha Vig- Dy. Dean IQAC

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Alignment of processes and documents



A complete [reference manual](#) has been prepared

- As per NAAC (Standard criterion)

All forms reviewed, renewed and renumbered. Consolidated document prepared

- Unused forms discarded
- Feedback taken from respective office-bearers after restructuring
- Committee set-up to prepare new feedback forms

All SoPs consolidated

[Targets](#) to be achieved shared with all departments, schools and offices

- As per the benchmark in NAAC

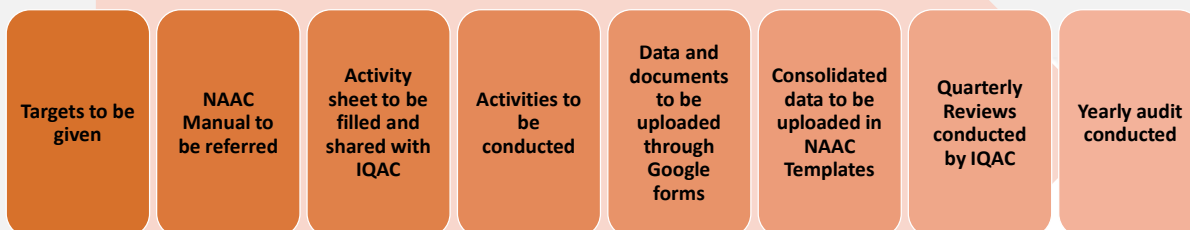
Activity sheets prepared for enlisting the calendar of activities

Google forms created for uploading of data and reports at a central repository

Formats and timelines for the review process prepared

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Process to be followed



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Orientation Sessions conducted by IQAC



Admin Offices

- | | |
|-------------|--------------|
| 1. CPAA- | Nov 17, 2022 |
| 2. HR- | Nov 18, 2022 |
| 3. Finance- | Nov 18 2022 |
| 4. RDIL- | Nov 19, 2022 |
| 5. ITES- | Nov 19, 2022 |

Department and Schools

- | | | |
|-----------------------|-------------|--------|
| 1. SoM & LS | Dec 1, 2022 | 1-2 pm |
| 2. CSE Department - | Dec 1, 2022 | 4-5 pm |
| 3. SoL and CLL- | Dec 2, 2022 | 1-2 pm |
| 4. ECE, ME, CV, APS - | Dec 2, 2022 | 4-5 pm |

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Thank You



16th IQAC Meeting

Quality Initiatives to boost Research & Innovation

Prof. Nitin Malik
Dy Dean (PhD and RDIL)

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Outline



- Publications
- Sponsored projects
- Consultancy
- Patents
- PhDs awarded through projects
- Initiatives

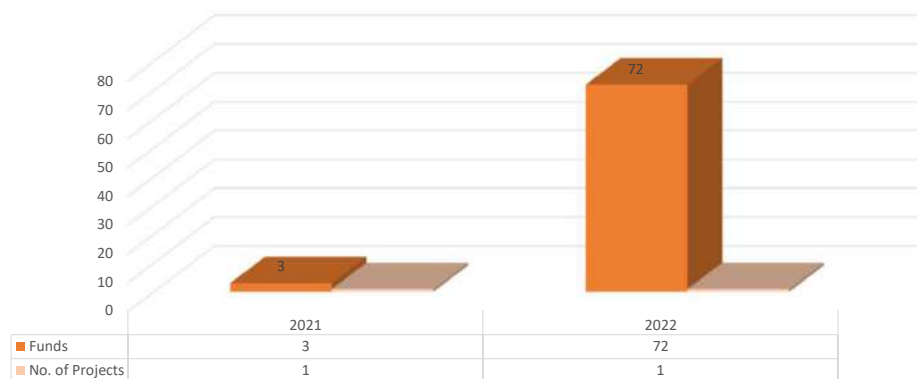
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Publications



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Sponsored Projects

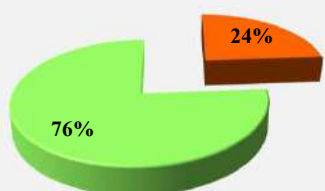


Consultancy



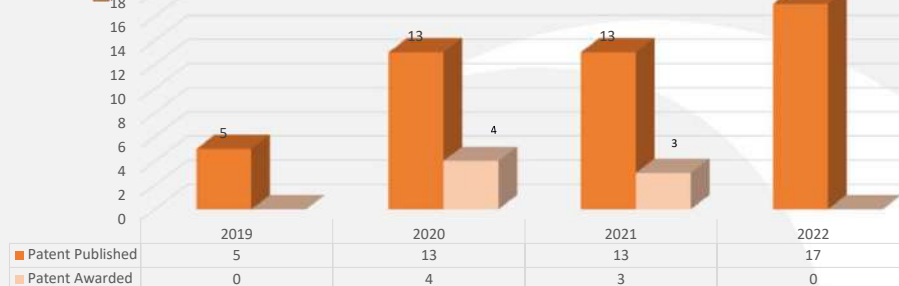
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Patents



49 Patent Published and 07 Patent Awarded

International National



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PhDs awarded through projects



S.No	Name of Student	Roll No.	Date of registration	Dept.	Title of Thesis/Broad Area	Year of Award	Name of Guide(s)	Remarks
1.	Mr. Shridhar	13ASD003	25-05-2013	APS	Optimization of Discharge Patterns in Parkinson Disease using particle Swarm Optimization Algorithm	Dec. 2021	Dr Sanjay Yadav Dr Jyotsna Singh (IILM Univ.) Prof A K Yadav (Central Univ)	Awarded
2.	Ms. Deepika Bansal	16CSD002	25-05-2016	CSE	Design of Dementia Detection Techniques using Machine Learning	Dec. 2022	Dr Kavita Khanna Prof Rita Chhikara	Awarded

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Recommendations & Initiatives

Publications

1. Focus on FT PhD scholars (69/145)
2. More fellowships (3/69) (12/69)
3. Removed GS. Add UGC Care & ABDC in PhD program
4. Publications from research based B Tech projects
5. Mandatory publication in M.Tech
6. Citing each other. This will help in h-index
- 7 Get PCN on regular basis

Sponsored Projects

1. Thirty Funding agencies identified & list shared
2. Call for proposals: 41. Submitted: 17 ,Under Review: 15, Granted: 1
3. Endorsement letter through RDIL
4. Mandatory proposal submission for PhD faculty
5. Present the proposal before DRC
6. Collaboration with premier research institutions
7. UGC 12B will attract additional funding

Research

Consultancy, Patents & Incubation

1. Capability document
2. Tap nearby industries
3. Tap Alumni
- 4 Tie up with INNOVE INTEELCTS (15/15,000)
- 5 KAPILA for IPR Awareness
- 6 Business Incubator

General

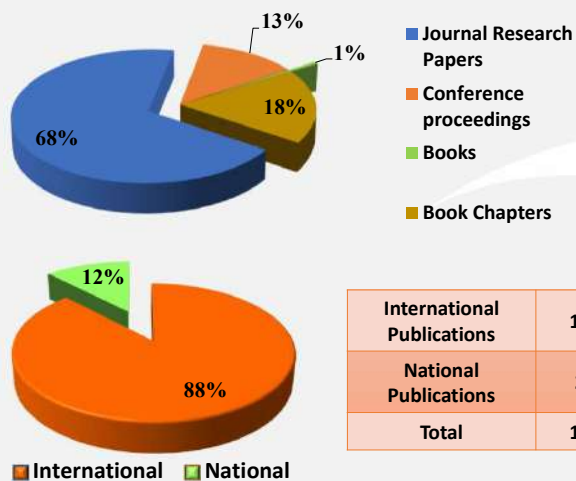
1. Dedicate 1st Saturday for research.
2. Target of average of 3 PhD scholars /faculty
3. One conference / dept / year
4. Better use of Central Research Facilities
- 5 Faculty Mentors & DRC Chair to push for research
- 6 Work in Team – whether manuscript or project.
- 7 Preparing a database of agencies providing travel grant

Thank you

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Research Publications

(January-December 2021)



Research Publication	
Journal Research Papers	113
Conference Proceedings	21
Books	01
Book Chapters	30
Total Publications	165

International Publications	145
National Publications	20
Total	165

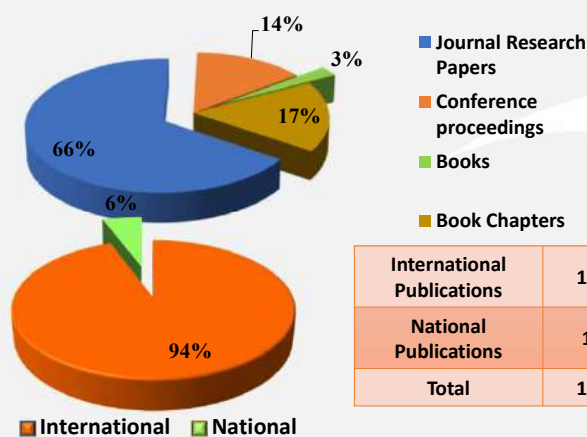
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Sponsored Projects



S.No	PI & Department	Project Title	Scheme	Duration (yrs)	Date of Sanction	Total Funds received (Rs. Lakhs)	Status
1.	Dr. Kavita Khanna Co-PI: Dr. Rita Chhikara (CSE) and Dr. Rakesh Kumar Dua (Max Hospital shalimar bagh)	Detecting Dementia using Deep Neural Networks	DST (CSRI)	3	28.06.2018	₹ 14.10	Completed
2.	Dr Anjali Garg (ECE) Mentor: Prof. B.K Das	Power generation and control of solar energy	DST (WOSA)	3	11.03.2019	₹ 15.98	Completed
3.	Dr. Manjula Batra (SOL)	"The Plight of Migrant Labourers during the COVID-19 Pandemic in Delhi: A Socio-Legal Study	Indian Council of Social Science Research (ICSSR)	9 Months	01.03.2021	₹ 1.35	Ongoing
4.	Prof. Rita Chhikara (CSE)	Visvesvaraya PhD Scheme for Electronics and IT : Phase-II	Visvesvaraya PhD Scheme	5	14.09.2022	₹ 0.0	Approved
Total in Lakhs						₹ 31.43	

Research Publications (January-November 2022)



International Publications	150
National Publications	12
Total	162

Research Publication	
Journal Research Papers	107
Conference Proceedings	23
Books	4
Book Chapters	28
Total Publications	162

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Consultancy



S.No.	Name of faculty (Chief Consultant)	Financial Year	Date of Agreement	Client Organization	Title of Consultancy of project	Amount Sanctioned (in Rupees)	Amount received
1	Unanza Gulzar	2022-2023	11-Aug-22	DOJ (Department of Justice)	PRO BONO LEGAL SERVICE UNDER NYAYA BANDHU	100000	1,00,000
2	Dr. Kavita Khanna and Dr Prachi	2022-2023	01.12.2020	National Technical Research Organization	Development of Machine Learning based approach for efficient Android Malware Detection and Reverse Engineering	19,37,278	1,85,501
3	Dr. Kavita Khanna and Dr Prachi	2021-2022	01.12.2020	National Technical Research Organization	Development of Machine Learning based approach for efficient Android Malware Detection and Reverse Engineering	19,37,278	6,26,750
4	Dr. Shilpa Mahajan, Dr. Prachi Ahlawat	2021-2022	13-05-2021	AICTE Training and Learning (ATAL) Academy	How To Exploit (Secure) Web Applications	Rs 93,000	93,000
5	Dr Rita Chhikara & Dr. Poonam Chaudhary	2021-2022	13-05-2022	AICTE Training and Learning (ATAL) Academy	Research Trends in Computer Vision and NLP*	Rs 93,000	93000
6	Dr. Archana Sarma	2021-2022	25th october, 2021	Participants from other law schools	7th National Client Consultation Competition, 2021	45,000	45,000

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7	Dr Priyanka Banerji / Dr Swarnjeet Arora	2021-2022	23-Dec-21	National Commission for Women	National Seminar	1,35,000	1,35,000
8	Dr. Kavita Khanna & Dr. Poonam Chaudhary	2021-2022	01.09.2021	National Commission for Women	Webinar on Reproductive Choice of Women	Rs. 30,000	30,000
9	Dr. Kavita Khanna & Dr. Srishti	2021-2022	28.10.2021	National Commission for Women	02 Capacity Building and Personality development programs	Rs. 30,000	30,000
10	Dr. Swarnjeet Arora	2020-2021	10.08.2020	National Commission for Women (NCW)	Mental Health and Quality of Life of Married Working Women in India.	50,000	50,000
11	Dr. Kavita Khanna	2020-2021	4.08.2020-25.09.2020	National Technical Research Organization	CCNA CISCO Certification Training	6,25,000	6,25,000
12	Dr. Ambika Devi (CRF)	2019-2020	14.01.2020	K.R. Mangalam University Gurugram (Ph.D Student)	Material Characterisation	1,200	1200
13	Dr. Ambika Devi (CRF)	2020-2021	29/09/2020	UCMS Delhi	Material Characterisation	1200	1200
14	Col. Devavrat Chhikara	2019-2020	2.02.2020	A.L.M Academy	Conduct Exam	30,000	30000
15	Dr. Vaishali Sahu	2019-2020	31.05.2019	Rajdarbar Realty Creations (P) LTD	Smart and Sustainable Building Materials	49,500	49,500

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16	Col. Devavrat Chhikara	2019-2020	25.05.2019	Central Universities Common Entrance Test (CUCET)	Conduct Exam	2,71,012	2,71,012
17	Col. Devavrat Chhikara	2019-2020	25.05.2019	Consortium of National Law Universities, CLAT 2019	Conduct Exam	1,14,100	1,14,100
18	Dr. Kavita Khanna	2019-2020	12.12.2019	National Technical Research Organization	Python for Data Science	2,50,000	2,50,000
19	Ms. Kusum Grewal Dangi (ECE) and Prof. Amitava Sengupta	2019-2020	31.07.2018 Fund received on 20 Feb, 2020	DRDO Defense Electronics Research Laboratory (DLRL)	Study of Precise Time synchronization between Clocks in a Dynamic network of Sensors	Rs. 8.24* lakh on completion (fund received) (After Deduction fund received Rs. 7,68,416)	7,68,416
20	The NorthCap University Testing Centre	2019-2020	22/11/2019-25/11/2019	ADGITM	Testing of Concrete Beams	₹ 3,000.00	3,000
21	The NorthCap University Testing Centre	2019-2020	20/05/2019-05/06/2019	Rajdarbar Realty Pvt. Ltd.	Testing of Paver Blocks	₹ 4,500.00	4,500

ANNEXURE - VI

IQAC MEETING

By
Dean-Academic Affairs

Agenda item: New Education Policy



- The NorthCap University has started aligning its vision to the vision of National Education Policy 2020 (NEP-2020).
- Multiple awareness events were organized during last two years for making all stakeholders aware about the new education policy.
- Institutional Development Plan (IDP) for short and long range planning is under preparation and is currently under brainstorming among stakeholders for need assessment, gap analysis and SWOC analysis.
- The NorthCap University already qualifies to be the Multidisciplinary Educational Research University. The brief overview presented in the last few slides substantiate this claim.
- The NorthCap University also has flexibility in Master's Programmes with exit clause after 1 year is available to students with PGD Degree.
- Integrated BBA-LLB programme is running successfully since inception.

Agenda item: New Education Policy



- Flexibility in Bachelor's programmes with multiple exit options and offering of 4-year multidisciplinary Bachelor's programmes is under discussion.
- Introduction of skill development and vocational education is under consideration with the help of Shri Vishvakarma Skill University, Palwal.
- With securing A grade in NAAC Assessment, we are now eligible to offer Open Distance Learning (ODL). MOOC development will be taken up along with ODL.
- Students at the NorthCap University are already making use of MOOC courses through SWAYAM and NPTEL portals.
- Human Values & Professional Ethics course is mandatorily taught to students across all Bachelor's programmes.

Agenda item: New Education Policy



• **Start-up/innovation incubation centre**

- Established in 2017, The NorthCap Incubation and Innovation Centre (NIIC) as an academic incubator. It has a dedicated building with the support of all the labs and workshops of the university.
- The School of Engineering, Management, Law, and Applied Sciences makes the best recipe for any Startup's founders' team.
- NIIC's well-structured composition is key to fostering and strengthening innovation-driven activities at the NorthCap University.
- NIIC has a strategic approach towards building skills and core competencies amongst the students who have expressed to exercise their entrepreneurial acumen.

Agenda item: New Education Policy



• CENTRAL LIBRARY:

- University's Central Library is FULLY AUTOMATED where students can reissue books from home.
- Additionally, library provides access to books/databases/journals through digital
- Students/Staff members can also access E-sources like Manupatra, SCC, EBSCO (for JOURNALS, E-BOOKS) through LAN.
- Library also has BIOMETRIC ENTRY/EXIT system along with real-time stock access through -OPEC SOFWARE



University has world class **SMART CLASS ROOM** for online interaction with more than 1000 participants at a time.



- University also has several labs established in the premises by reputed industries.
- Every classroom have LCD projector.

Agenda item: New Education Policy



Action taken for International Admission

- NCU signed MoU with EdCIL and registered itself 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
- Signed MoU with edu-consultant Maven consultancy for admissions to students from Nepal, Bhutan and Bangladesh
- Promotional activities are conducted in various schools and colleges of 5 major cities (Kathmandu, Birgunj, Janakpur, Dharan, and Biratnagar) of Nepal from 28th March to 10th April 2022.



Agenda item: New Education Policy



• Internationalization of education:



MOU has been signed with various Universities across different nations such as

- USA
- Ireland
- UK
- Malaysia
- Egypt
- Vietnam
- Ecuador
- Indonesia, etc.

for co-teaching, immersion and student/faculty mobility and research.

Agenda item: New Education Policy



Internationalization of education

MoU with Cintana Alliance universities

1. UAG, Mexico
2. UIDE, Ecuador
3. UEF, Vietnam
4. Mapua University, Philippines
5. Esa Unggul, university, Indonesia
6. Latina University, Costa Rica
7. Almaty Management University, Kazakhstan
8. University of Donja Gorica, Montenegro
9. Istanbul Bilgi University



Agenda item 1: New Education Policy



Student Welfare Schemes at NCU

- Fee Concession for students on Merit and Means basis
- HATCH Scholarship for Girl Students pursuing STEM Education at NCU
- Funding for participation in Academic and Non Academic Activities (SOP)
- Exchange Programs with Foreign Universities
- Ramps and Lifts, Wheelchair facility for the differently abled
- Yoga Sessions for Students round the year
- Thought lab for Mental Peace and Relaxation.
- Mental Health Awareness Seminars and Camps
- Eye Check Camps/Diabetes Awareness Camps/Blood Sugar Testing Camps/ Vision Camps/Women Health Camps
- CRP Training for Students
- Gymnasium for Fitness purposes

Agenda item: New Education Policy (Academic Banks of Credits (ABC))



- The NorthCap University has joined ABC Platform.
- Discussions are in progress to put in place an internal system to make necessary preparations for participation in the credit transfer process through ABC platform.
- Awareness among students will be done through seminars/lectures to get benefitted through ABC.

Agenda item: New Education Policy (Accreditation & Mentoring)



- The NorthCap University has already completed 2nd Cycle of NAAC accreditation and scored "A" grade.
- The University has a very vibrant Internal Quality Assessment Cell (IQAC).
- IQAC meetings are held quarterly and roadmap for quality improvement in every aspect of teaching-learning & research environment of the university is discussed and followed-up.



Agenda item: New Education Policy (Ranking)



- The NorthCap University is participating in the NIRF ranking since the start of this ranking framework.
- School of Engineering & Technology (SoET) has constantly rank under top 100 Engineering Institutions for the last two years (2021 & 2022).



Agenda item: New Education Policy

(Research and Innovation)



Support for Research & Development

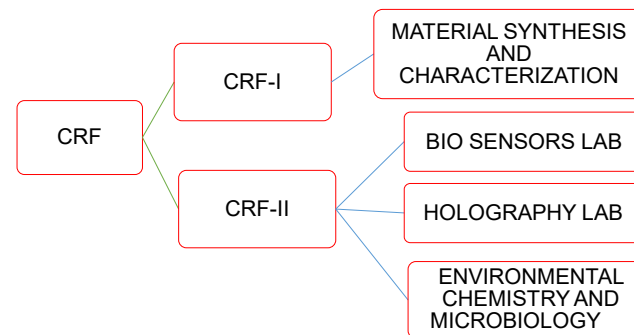
- Faculty mentoring by [Professors of Eminence](#).
- Well defined IPR Policy (<https://www.ncuindia.edu/ipr-cell/>)
- Well defined policy for promoting quality research publications. (<https://www.ncuindia.edu/rdil/>)
- Central Research Facility (<https://www.ncuindia.edu/central-research-facility/>)
- Opportunity to boost collaborative research with [foreign universities](#).
- University Fellowships for full time Research Scholars (Rs 35000) based on merit.
- Well defined [policy for financial support](#) for Conference/Workshop/Seminar/STTP.
- Provision of seed money through VC Innovation Fund.
- Availability of Licensed Plagiarism Software (Turnitin) for all faculty members.

Agenda item: New Education Policy

(Research and Innovation)



Central Research Facility (CRF) & Instrumentation Centre



Agenda item: New Education Policy

(Research and Innovation)



VC Innovation Fund as seed money utilized by faculty members (INR)

2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
3,55,400	1,03,108	1,23,560	4,28,733	53,720	1,44,457
Total					12,08,978

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Agenda item: New Education Policy

(Skills)



- The NorthCap University Gurugram is in process of entering into MoU with Shri Vishvakarma Skill University, Palwal to introduce vocational programmes and integration of NSQF into course curriculum.
- Additionally, The NorthCap University has signed MoU with International Centre for Automotive Technology (ICAT) Manesar to offer skill based certificate courses for school/college students and working professionals.
- Also, the university has many more partnerships with other Industry partners to add skills into our regular curriculum.

Industry Linkages @ NCU



Agenda item: New Education Policy (Entrepreneurship)



Details of present incubation facilities provided to start-up businesses

The NorthCap Incubation and Innovation Council (NIIC) is a well-established air-conditioned office with 2000 sq.-ft of space and modern technology.

Physical Infrastructure: NIIC provides physical infrastructure like office space, shared resources, office productivity equipment's such as workstations, printers, white boards, presentation systems. It provides access to labs with fabrication equipment's and tools in the makers space tool. IoT and software tools in tinkering and IT Labs.

Utilities: It provides the utility such as electricity, internet, IT support, cloud credits and online platforms.

Start-up Idea Challenge (STICHT): Regularly organizing start-up idea challenges at the university to take up their ideas and release them into start-ups.

Network Building: Facilitation for NCU STICHT professionals and expert network. Facilitation for investors network iii) Facilitation for industry connection. Showcasing opportunities. NCU network of alumni and experts.



Advisory and coaching: Mentoring, Trainings and workshops, Free advisory from Experts: legal, CA, IP, fund raising. Areas may be added/ removed during the incubation. The supported entities however will have to pay for specific transactions.

Financial Support: Upfront fund shall be accrued as evaluated by the NCU STICHT. Potential for additional seed support in form of equity/convertible instrument/loan subject to NCU STICHT's investment guidelines from time to time. Facilitation for Government funding programs. Early-stage funding from external investors.

More than 10 start-ups are in incubation stage.

Agenda item: New Education Policy (Training of Faculty)



- The NorthCap University is already having a well established process of faculty development programme.
- Two FDPs of duration not less than 5 working days are organized in a year. It is planned during summer and winter breaks in non-teaching periods.
- The proposal of introducing 1-week Faculty Development Programme (FDP) after every 3 consecutive academic years is too less.
- It should be at least one per year.
- Also, linking of FDP with annual increments may be for compliance purposes. But it should come natural for all the faculty members as it is for their good only.



In nutshell, FDPs aims at equipping teachers and staff with skills and knowledge that are essential for inculcating values in students and guiding & monitoring their progress.

Agenda item: New Education Policy (E-governance)



- The NorthCap University is already having a robust e-governance environment.
- We have automated all our processes starting from Admissions till Result Declaration.
- We have a robust ERP covering all our basis needs.
- We have also started upgrading our existing ERP to the next improved version.
- Our library is also fully automated.



Agenda item: New Education Policy (NAD & DigiLocker)



- The NorthCap University is already using NAD & DigiLocker.
- Degrees of all our graduate students are getting uploaded on NAD for last many years.
- We have also started uploading semester-wise mark sheets of our students on NAD and this excise will be completed very soon.
- Additionally, the University is exploring possibilities of accepting documents during admissions/recruitments etc. only through DigiLocker.



TIMELINE FOR IMPLEMENTATION OF UGCF FOR EXISTING 3 YEAR UG PROGRAMMES

S. No.	Name of the existing 3 Years Programme	Name of School/Department	Year of Offering as 4 Years UG Programmes
1	BBA	School of Mgt. & Liberal Studies	2023-24
2	BBA (Business Analytics)	School of Mgt. & Liberal Studies	2024-25
3	BBA (Digital Marketing)	School of Mgt. & Liberal Studies	2024-25
4	B. Com. (H)	School of Mgt. & Liberal Studies	2024-25
5	B. A. (Economics)	School of Mgt. & Liberal Studies	2024-25
6	B. A. (Psychology)	School of Mgt. & Liberal Studies	2024-25
7	B. C. A	Dept. of CSE (School of Engineering & Technology)	2023-24
8	BBA (Entrepreneurship & Family Business)	School of Mgt. & Liberal Studies	2025-26
9	B. Com. (Financial Markets)	School of Mgt. & Liberal Studies	2025-26
10	B. A. (English)	Centre of Language Learning	2025-26
11	B. Sc. (Mathematics)	Department of Applied Sciences (School of Engineering & Technology)	2025-26

