

**NIIT UNIVERSITY**  
**NH – 08, Delhi Jaipur Highway**  
**Neemrana – 301705, Dist. Alwar (Rajasthan)**

**MINUTES OF THE FORTY-NINTH MEETING OF THE ACADEMIC COUNCIL**  
**(Third Meeting of the AY-2022-2023)**

Minutes of the Forty-Ninth Meeting of the Academic Council (Third Meeting for the AY 2022 – 2023) of NIIT University, Neemrana held on Tuesday July 25, 2023 at 11:00 am in the Meeting Room 301, NIIT University, Neemrana.

**Members Present**

**Meeting presided by Prof. Rajesh Khanna, In the Chair**

- |                                  |                                 |
|----------------------------------|---------------------------------|
| 2. Mr. Abhisek Dutta             | 3. Dr. Anshima Srivastava       |
| 4. Dr. Arghya Guchhait           | 5. Maj. Gen. A K Singh (Retd.)  |
| 6. Dr. Ashwini Kumar             | 7. Prof. Bishwajit Kundu        |
| 8. Prof. Debashis Sengupta       | 9. Dr. Dinesh Kumar             |
| 10. Prof. Eswaran Narasimhan     | 11. Dr. Ganapathirao Maradana   |
| 12. Prof. Gurendra Nath Bhardwaj | 13. Dr. Kumar Nitesh            |
| 14. Dr. Narayan Kumar            | 15. Dr. Neha Tiwari             |
| 16. Dr. Ratika Kaushik           | 17. Prof. Ratna Sanyal          |
| 18. Dr. Sanjay Kumar Biswash     | 19. Prof. Shivendra Nath Sharan |
| 20. Dr. Smarajit Dey             | 21. Prof. Somesh Kumar          |
| 22. Prof. Sudip Sanyal           | 23. Prof. (Dr.) Vandana Suhag   |
| 24. Prof. Vijay Mandke           | 25. Dr. Vinay Sharma            |
| 26. Mr. Vivek Saxena             | 27. Dr. Vivek Srivastava        |

**Invitee**

1. Prof. Parimal V Mandke

Dr. Shivendra Mathur, Registrar- Member Secretary

It was informed that Prof. Ajay Kumar Singh, Mr. Arun Kumar, Prof. Deepak Khanna, Dr. Sanjeev Kumar and Dr. Yogendra Pal had requested for leave from attending the meeting.



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**Registrar**  
**NIIT UNIVERSITY**  
*Rajesh Khanna*



## MINUTES OF THE MEETING

Chairman, Academic Council welcomed all Members to the Forty-Ninth Meeting of Academic Council of NIIT University, Neemrana.

Item No.

Item

### Part I: Items of Reporting

- 49.01 Chairperson, Academic Council welcomed the new members of Academic Council that came in effect from Nov. 01, 2022 for a period of two years as per *Appendix-A* of the Agenda.
- 49.02 Council received a brief report on Disciplinary Cases since last Meeting of the Academic Council as per *Appendix-B* of the Agenda.
- 49.03 Council received a brief report on Invited Talks since last Meeting of the Academic Council as per *Appendix-C* of the Agenda.
- 49.04 It was reported that a review of academic performance of all students was done for the last Semester & Term and list of Students whose CGPA was found to be less than or close to the minimum stipulated CGPA and students who have exceeded permissible limit of E Grades as required by the Academic Regulations of the University as per the list placed at *Appendix-D* of the Agenda.

The Dean Academic Affairs will bring all the concerned students under the purview of the Academic Counseling Committee (ACC) with the objective of enabling such students to academically recover at the earliest.

The attendance & performance of such students will be monitored by the Committee on regular basis.

Council suggested to add to the ACC list other categories of students as well, E.g. PGDBRM students

### Part II: Items of Review & Approval

- 49.05 The Minutes of the Forty-Seventh and Forty-Eighth Meetings of the Academic Council held on Friday July 29, 2022 and Monday February 20, 2023 respectively, as per *Appendix-E* of the Agenda were confirmed.

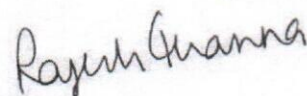


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- 49.06 Council noted the Action Taken Report on the points as discussed during the Forty-Seventh and Forty-Eighth Meetings of the Academic Council held on Friday July 29, 2022 and Monday February 20, 2023 respectively, as per *Appendix-F* of the Agenda.
- 49.07 Council considered and approved the Minutes of the Examination Committee Meetings as per *Appendix-G* of the Agenda.
- 49.08 Council received a complete report and considered and approved recommendations of Programme Committees as per *Appendix-H* of the Agenda.
- 49.09 Council considered and approved the modification in the status of "ENV 301" course from three credits to zero credits as per *Appendix-I* of the Agenda.
- 49.10 Council considered and approved the introduction of new programme the PGDBS (Post Graduate Diploma in Banking Services) as per *Appendix-J* of the Agenda.

Council was informed that the seats for the programme would be 60 per Batch. It was suggested that every time before a batch was admitted, specific sanction from Chairman, AC may be asked if the number of students expected to get admitted was less than 60. The admitted no should never exceed the approved intake.

Council suggested that in the proposed Programme architecture, the courses should be tagged in terms of 'New' and 'Existing' courses. It was suggested that a document with all courses created since the beginning capturing the number of changes/ revisions made to each course since origination with dates may be prepared.

- 49.11 Council considered and approved the revisions in architecture of PGDBF (Post Graduate Diploma in Banking and Finance) programme as per *Appendix-K* of the Agenda.

Council suggested that in the proposed Programme architecture, the courses should be tagged in terms of 'New' and 'Existing' courses.

- 49.12 Council considered and approved the recommendations of IQAC for the following agenda points as per *Appendix-L* of the Agenda.

1. List of Programmes offered by the University during the period from the year AY 2017-18 to AY 2021-22 along with their duration and their respective dates of approval in respective previous Committee meetings.
2. Courses offered across all programme focusing on employability/ entrepreneurship/ skill development.

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Rajesh Ganna



- 49.12
3. Existing and New courses introduced across all programmes offered from the year AY 2017-18 to AY 2021-22.
  4. Programme wise Vision, Mission, Program Educational Objectives (POEs), Programme Specific Outcomes (PSOs) and Programme Outcomes (POs).
  5. Comprehensive list of Value-added courses offered by the University from the AY 2017-18 to AY 2021-22 along with their duration.
  6. Feedback Analysis Report and Action Taken Report on feedback received by parents, employer, students, alumni and faculty for AY 2021-22.
  7. Internal Quality Assurance Cell -Academic and Administrative Audit Report AY 2021-22.

A suggestion was received for changing nomenclature of similar Programmes and make them aligned to the standard nomenclature followed in Premier institutions.

- 49.13 Council considered, approved, and recommended to the Board of Management the list of Graduating Students for the conferment of Degrees and PG Diplomas upon the Graduating Students as per *Appendix-M* of the Agenda.

- 49.14 Other matters: (i.) Council's approval was obtained to change the nomenclature of Programme Committee to Board of Studies to be compliant with NAAC for the purpose of NAAC accreditation process. (ii) Chairman shared with the Council the exercise of PO-CO mapping and PO-CO attainments in each course. He stated that this would be an area for institutional research in future. Council suggested to look at industry related student performance indicators. (iii) Chairman asked for Council's authority to change names/ nomenclatures if required for aligning the same with NAAC.

Meeting ended with a vote of thanks to the Chair.



(Dr. Shivendra Mathur)  
Member Secretary



Rajesh Khanna  
(Prof. Rajesh Khanna)  
Chairman

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S.No	Name of the Programme	Approved in AC	Minimum duration of the Programme
1	B.Tech. in Biotechnology [B.Tech.(BT)]	1	4
2	B.Tech. in Communication & Computer Engineering [B.Tech.(CCE)]	41	4
3	B.Tech. in Computer Science & Engineering [B.Tech.(CSE)]	1	4
4	B.Tech. in Cyber Security [B.Tech.(CYS)]	41	4
5	B.Tech. in Data Science [B.Tech.(DS)]	41	4
6	B.Tech. in Electronics & Communication Engineering [B.Tech.(ECE)]	3	4
7	Bachelor of Business Administration [BBA(MG)]	30	3
8	Doctoral Programme	1	3
9	M.Tech. in Cyber Security [M.Tech.(CS)]	41	2
10	M.Tech. in Educational Technology [M.Tech.(ET)]	1	2
11	M.Tech. in Geographic Information Systems [M.Tech.(GIS)]	4	2
12	Master of Business Administration (Integrated) [-MBA(MG)]	30	4
13	Master of Business Administration [MBA (GEN)]	32	3
14	Master of Design in Learning Design [M.Des.(LD)]	32	2
15	Master of Science (Integrated) in Computer Science [M.Sc (CS)]	26	4
16	MBA (Information System and Data Engineering) [MBA ISDE (ISDE)]	44	2
17	MBA in Business Analytics [MBA(BA)]	23	2
18	MBA in Intelligent Data Science [MBA (IDS)]	32	2
19	Post Graduate Diploma in Banking and Finance [PGDBF(MG)]	26	1
20	Post Graduate Diploma in Banking and Relationship Management [PGDBRM (MG)]	40	1



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L-115



**NIIT UNIVERSITY**  
**NH – 8, Delhi Jaipur Highway**  
**Neemrana – 301705, Distt. Alwar (Rajasthan)**

**Sub. :** Minutes of the First Meeting of the Academic Council of the NIIT University held on Friday the 20<sup>th</sup> August, 2010 at 10.30 am in the Board Room, IV Floor, NIIT Corporate Office, 85, Sector 32, Institutional Area, Gurgaon – 122001.

**PRESENT**

**MEMBERS**

Dr. Rajeev Shorey – Chairman

- |                         |                         |
|-------------------------|-------------------------|
| 2. Dr Nutan Bharati     | 3. Dr R. N. Biswas      |
| 4. Mr Arindam Chaudhari | 5. Dr. Meenu Chhabra    |
| 6. Dr. B N Jain         | 7. Dr. Sunil Khanna     |
| 8. Dr. Vijay Mandke     | 9. Dr. Anuradha Parasar |
| 10. Dr. Varsha Singh    |                         |

**INVITEES**

1. Mr. Rajesh Yadav
2. Mr. Praveen Sharma

Dr. Parimal V Mandke, Registrar - Member Secretary

(Dr. J.L. Arora Prof, Dr. Sumit Kaur Bhatia, Dr. Samir K Brahmachari, Dr. B. G. Prakash, Dr. S. Ramaswamy could not attend the Meeting.)

**Item  
No.**

**Item**

The President welcomed all the Members and thanked them for attending the meeting.

The President gave a brief introductory note about the NIIT University, Students, Faculty and gave a brief status on ongoing UG, PG & Doctoral programmes.

- 01.01** Noted that the Board of Management, in its meeting held on April 5, 2010 has constituted the Academic Council, an Academic Authority of the University, vide its item no. 02.02, as per the Statutes and regulations given in *Appendix A* of the Agenda.

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It was resolved that the document at Appendix B should be made more comprehensive so that it could be a useful document for all faculty and students to consult. Council was informed that a full day Faculty Induction Programme was conducted in July 2010 in order to familiarize the faculty with a system of education and evaluation adopted at NU prior to which, a document on the subject was circulated.

01.06 Considered the Proposals for the introduction of the following Academic Programmes as per Appendix C of the Agenda and after the detailed discussion approved the same.

**A. Undergraduate Programmes**

- i. *B. Tech. in Biotechnology*
- ii. *B. Tech. in Computer Science & Engineering*
- iii. *B. Tech. in Information & Communication Technology*

**B. Post Graduate Programmes**

- iv. *M. Tech. in Bioinformatics*
- v. *M. Tech. in Educational Technology*
- vi. *M. Tech. in Embedded Systems*
- vii. *M. Tech. in Pervasive Systems*
- viii. *Master of Business Administration*

**C. Doctoral Programme**

- ix. *Ph. D.*

Question of what programs would be introduced by NU and whether NU would offer programs in sciences and humanities or would these areas be treated as 'service' areas came up in discussions. The President informed that NU plans to offer the programs in sciences and humanities too. It was also mentioned that NU would offer programs with a curriculum that make a distinct value addition to the learner and there is a well identified taker for a student at the end of the program.

Council advised NU to re-think the introduction of 'specialized' areas even at the Masters level. The top class institutions in the USA also do not offer high specializations as it is an expensive proposition. The same objective may be achieved by giving flexibility to students through electives.

The fact that the M Tech programs of NU are industry-based was shared. It was cautioned that M. Tech. Programme may be interpreted as a distance learning programme. It was mentioned that all features of regular programme are followed in the NU M. Tech programmes. Need to build a proper argument in the above regard was noted.

With regard to Ph D program a request was made that the Ph D regulation should allow a working professional to register while being at work-place. In this context, it was





It was observed that the Examination Committee is a very high powered committee. Powers of the Examination Committee, particularly as defined at (d) and (e) may be relooked at.

It was suggested that minimum corum should be defined for each Committee.

It was suggested that the following point should be added under the Research Committee: "Research Committee works closely with the Research Advisory Board".

It was suggested that the University should clearly specify in its rules and regulations, an action which the University would take if a student is charged of committing crime anywhere outside the University Campus.

**Additional points with the permission of the Chair**

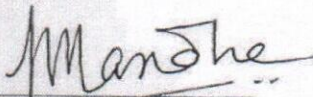
It was suggested that the approved System of Education and Evaluation and Ordinances and Regulations of the University may be circulated to faculty and all concerned for their remarks.

A need was expressed by the Educational Technology area for a provision in the NU academic ordinances and regulations to permit registration to a "single course". Course-wise fee would have to be introduced for such cases.

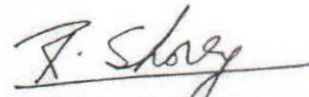
Request for introduction of "Teaching Practice" as a compulsory course requirement every semester in a Ph D program was made. It was recognized that the Ph D regulation needs to be worked out in detail at the earliest.

The tentative month proposed for Second Academic Council meeting is Dec, 2010.

The meeting ended with a vote of thanks to the Chair.



(Dr. Parimat V Mandke)  
Secretary



(Rajeev Shorey)  
Chairman



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NIIT UNIVERSITY



## B.Tech. IN COMPUTER SCIENCE & ENGINEERING

### Academic Curriculum (2009– 2010 onwards)

**Programme Level:** Undergraduate **Duration:** Four Years (Eight Semesters) **No. of Seats:** 120

#### Input Qualifications:

Candidates should have passed 10+2 from Central Board of Education or its equivalent with Physics, Chemistry and Mathematics and should have proficiency in English.

#### Admission Eligibility:

As decided by the University from time to time.

#### Semester-wise Programme:

Code	Course Title	L	T	P	C
<b>FIRST SEMESTER</b>					
<b>FIRST YEAR</b>					
MAT 101	Mathematics - I	3	1	0	4
EE 101	Electrical Science	3	1	0	4
EL 101	Digital Logic & Processor	3	1	3	5
TA 101	Computer Programming	2	0	4	4
TA 111	Computer Skills (PC & Web)	1	0	4	3
ENG 101	English	3	0	0	3
<b>TOTAL</b>		15	3	11	23
NU 101	Unlearning	3	0	0	3
NU 111	Community Connect	0	0	2	1

<b>SECOND YEAR</b>					
MAT 201	Mathematics - III	3	1	0	4
CS 201	Design & Analysis of Algorithms	3	0	3	4
CS 231	Database Management Systems	2	0	2	3
CS 221	Object Oriented Programming	3	0	3	4
CS 211	Operating System	3	0	2	4
	HSSM-2	3	0	0	3
<b>TOTAL</b>		17	1	10	22
NU 211	Community Connect	0	0	2	1

<b>THIRD YEAR</b>					
	Science - 2	3	0	2	4
EL 301	Embedded Systems	3	0	3	4
CS 301	Software Engineering	2	0	4	4
CS 302	Theory of Computation	3	0	0	3
ENV 301	Environmental Science	3	0	0	3
	HSSM-4	3	0	0	3
<b>TOTAL</b>		17	0	9	22
NU 311	Community Connect	0	0	2	1

<b>FOURTH YEAR</b>					
	Professional Elective - 3	3	0	2	4
	Professional Elective - 4	3	0	0	3
	Professional Elective - 5	3	0	0	3
	Open Elective (O E) - 2	3	0	2	4
	Open Elective (O E) - 3	3	0	0	3
	HSSM-6	3	0	0	3
<b>TOTAL</b>		18	0	4	20
NU 411	Community Connect	0	0	2	1

Code	Course Title	L	T	P	C
<b>SECOND SEMESTER</b>					
<b>FIRST YEAR</b>					
MAT 112	Mathematics - II	3	1	0	4
EL 112	Analog Electronic Circuits	3	1	3	5
CS 102	Fundamentals of Algorithms	3	0	3	4
CS 122	Computer Arch. & Organisation	3	0	2	4
TA 102	Communication Skills	2	0	2	3
ECON 102	Economics	3	0	0	3
<b>TOTAL</b>		17	2	10	23
NU 112	Community Connect	0	0	2	1

<b>SECOND YEAR</b>					
PHY 212	Science - 1	3	0	0	3
CS 232	Discrete Mathematics	3	1	0	4
COM 212	Communication Networks	3	0	3	4
CS 242	Programming Languages	3	0	2	4
TA 202	Graphics	2	0	2	3
TA 212	Workshop Practice	1	0	4	3
MGT 202	Basics of Management	3	0	0	3
<b>TOTAL</b>		18	1	11	24
NU 212	Community Connect	0	0	2	1

<b>THIRD YEAR</b>					
	Science - 3	3	0	2	4
	Professional Elective - 1	3	0	2	4
	Professional Elective - 2	3	0	0	3
NU 302	R & D Project	1	0	6	4
	Open Elective - 1	3	0	0	3
	HSSM-5	3	0	0	3
<b>TOTAL</b>		16	0	10	21
NU 312	Community Connect	0	0	2	1

<b>FOURTH YEAR</b>					
NU 402	Industry Practice/ Project	0	0	40	20
<b>TOTAL</b>		0	0	40	20
NU 412	Community Connect	0	0	2	1

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**MINUTES OF THE FORTIETH MEETING OF THE ACADEMIC COUNCIL**  
**(First Meeting of the AY-2020-2021)**

Minutes of the Fortieth Meeting of the Academic Council (First Meeting for the AY 2020 – 2021) of NIIT University, Neemrana held online (due to Covid-19 Pandemic) on Friday Sept. 04, 2020 at 03:00 pm.

**Members Present**

**Meeting presided by Prof. Prabhu Kumar Aggarwal, In the Chair**

- |                                 |                                 |
|---------------------------------|---------------------------------|
| 2. Mr. Abhisek Dutta            | 3. Dr. Anshima Srivastava       |
| 4. Mr. Arun Kumar               | 5. Prof. Debashis Sengupta      |
| 6. Prof. Deepak Khanna          | 7. Prof. Eswaran Narasimhan     |
| 8. Dr. Gaurav Gupta             | 9. Prof. Gurendra Nath Bhardwaj |
| 10. Prof. M.B. Srinivas         | 11. Dr. Neha Tiwari             |
| 12. Prof. Ratna Sanyal          | 13. Dr. Sanjay Kumar Biswash    |
| 14. Prof. Shivendra Nath Sharan | 15. Prof. S.K. Verma            |
| 16. Dr. Smarajit Dey            | 17. Dr. Soumyadeep Chakraborty  |
| 18. Prof. Sudip Sanyal          | 19. Dr. Suman Sanyal            |
| 20. Dr. Sushil Kalyani          | 21. Dr. Vaishali Shinde         |
| 22. Prof. Vijay Mandke          | 23. Dr. Vivek Srivastava        |

**Invitee**

1. Prof. Parimal V Mandke

Dr. Shivendra Mathur, Registrar- Member Secretary

It was informed that Maj. Gen. A K Singh (Retd.) and Dr. Tapan Naskar had requested for leave from attending the meeting.



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- 40.12 Council advised to review the revisions in Rules and Regulations for Ph.D. programme as per *Appendix-K* of the Agenda and authorized the Chairman to take a decision on the matter.
- 40.13 Council deferred the approval to the revised Research Promotion Policy as per *Appendix-L* of the Agenda.
- 40.14 Council considered and accorded in principle approval to the proposal for introduction of a new programme – Post Graduate Diploma in Banking and Relationship Management as per *Appendix-M* of the Agenda.
- 40.15 Council considered and approved the Introduction of two specializations in ECE Area as per *Appendix-N* of the Agenda. At the same time, Council asked to review the four existing specializations and suggested that some of them may be dropped as the no of students was subcritical.
- 40.16 Council authorized the Chairman Academic Council to decide on cases of the Extraordinary Extension after completion of maximum duration in Ph.D. programme as per *Appendix-O* of the Agenda.

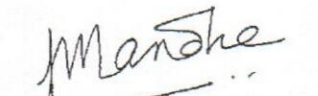
### Part III: Discussion Session

- 40.17 SOP on Online Examinations as per *Appendix-P* of the Agenda. It was decided to circulate the SOP to the Members and get their comments. SOP could then be adopted in the next meeting.

Meeting ended with a vote of thanks to the Chair.



(Dr. Shivendra Mathur)  
Member Secretary



(Prof. Parimal V Mandke)  
Chairperson

Registrar  
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## Post Graduate Diploma in Banking and Relationship Management

Nu is going to offer a new programme to the candidates who come from different streams of studies, having zero to three years of experience and who intend to build their career in the Priority Banking. This is a good opportunity for all the aspirants who are in the inception level of their careers or are freshers, to pursue the course comprising basic management and banking specific courses to start their professional journey in Banking sector.

### Programme Structure:

2 Term (12 Weeks each) at NU

12 Weeks' Industry Practice I

4<sup>th</sup> Term Refresher Course (2 weeks) @ NU and 10 Weeks' Industry Practice II

### Programme Architecture

Term 1 (12 weeks)		
No.	Course Name	Credits
1	<u>Banking Processes &amp; Products I</u>	3
2	<u>Management Accounting &amp; Control</u>	4
3	<u>Understanding Marketing</u>	3
4	<u>Economics</u>	3
5	<u>Managerial Communication</u>	3
6	<u>Business Statistics</u>	3
7	<u>Commercial Banking I</u>	3
8	<u>Indian Financial System</u>	3
<b>Total Credits</b>		<b>25</b>
Term 2 (12 weeks)		
1	<u>Financial Planning &amp; Wealth Management</u>	3
2	<u>Customer Relationship Management</u>	3
3	<u>Financial management</u>	3
4	<u>Banking Processes &amp; Products II</u>	3
5	<u>Customer Interaction Skills</u>	3
6	<u>Digital Banking</u>	3
7	<u>Selling Skills and Relationship Management</u>	3
8	<u>Investment Analysis &amp; Portfolio Management</u>	3
<b>Total Credits</b>		<b>24</b>
Term 3 (12 weeks)		
1	Industry Practice	6
<b>Total Credits</b>		<b>6</b>
Term 4 (12 weeks)		
1	Industry Practice	6

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**NIIT UNIVERSITY**  
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**Neemrana – 301705, Distt. Alwar (Rajasthan)**

**Sub. :** Minutes of the Third Meeting of the Academic Council (2010 – 2011) of the NIIT University, Neemrana held on Friday July 08, 2011 at 11.00 am in the Senate Room, NIIT University, Neemrana.

**PRESENT**

**MEMBERS**

Dr. Rajeev Shorey – Chairman

- |                              |                         |
|------------------------------|-------------------------|
| 2. Dr. Anuradha Parasar      | 3. Dr. B. G. Prakash    |
| 4. Dr. B. N. Jain (On Skype) | 5. Dr. Kapil Pandla     |
| 6. Prof. Rakesh Mehrotra     | 7. Dr. Shivendra Mathur |
| 8. Prof. Sunil Khanna        | 9. Prof. Vijay Mandke   |

**INVITEE**

1. Prof. R N Biswas was invited during discussion of Item No. 03.22.

Dr. Parimal V Mandke, Registrar - Member Secretary

(Arindam Choudhari, Dr. Meenu Chhabra, Dr. Samir K Brahmachari, Dr. Shradha Kanwar, Dr. Sumit K Bhatia & Prof. S. Ramaswamy could not attend the Meeting.)

**Minutes of the Meeting**

**Item No.    Item**

President welcomed all the Members and introduced Dr. B G Prakash and Dr. B N Jain who was attending meeting through skpye.

- 03.01 Homage was paid (as per attached message) to Prof MP Kapoor, Founding VC, NIIT University who passed away on Thursday, June 23, 2011 and two minutes of silence was observed by all the members.



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03.21 It was informed that in view of the structural changes in the Programmes proposed as above, revisions in Course codes in B.Tech. BT, CSE and ICT Programmes have to be undertaken and the same will be placed before the Council in its next meeting.

3.22 Prof. R N Biswas was invited during discussion of item No. 03.22 and Dr. Shorey also appraised the house about the efforts made by Prof. Biswas as Coordinator of the Expert Committee for designing Course architecture of Electronics and Communication Engineering programme.

Prof. R N Biswas appraised the council about the recommendations of the Experts Committee and about the architectural design of the programme Electronics and Communication Engineering (ECE).

In the light of the same, Council considered and approved introduction of B. Tech. Electronics and Communication Engineering (ECE) as per the recommendations of the Experts Committee as per *Appendix M* of the Agenda with following changes.

- a. It was proposed to keep English as a remedial course.
- b. Communication Skills to be shifted to Yr I Semester I.
- c. Signals & Systems to be shifted to Yr I Semester II.
- d. Embedded systems to be retained in Semester IV as a core course instead of an elective course.

With all the above suggested changes it was agreed to adopt the ECE programme architecture as given by expert committee without any changes with retrospective effect for the B.Tech. CSE and ICT 2010-2011 Batch. Further, it was also agreed to introduce the above changes in B.Tech. CSE & ICT programmes.

- a. It was proposed on the floor to nomenclate the programme as Electrical, Electronics & Communication Engineering. But no decision was taken.
- b. In view of the EC & E programme it was realized that programme B. Tech. ICT becomes obsolete. Hence it was decided to offer an option to ICT students to switch to CSE/ EC& E programme.

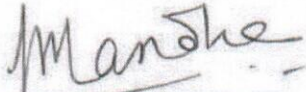
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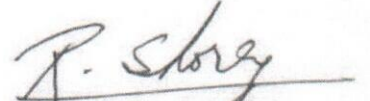


Meeting ended with a vote of thanks to the Chair.



(Dr. Parimal V Mandke)

Secretary




(Rajeev Shorey)

Chairman

Encl: Attachment

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## B.Tech. IN ELECTRONICS & COMMUNICATION ENGINEERING

### Academic Curriculum (2011– 2012 onwards)

**Programme Level:** Undergraduate **Duration:** Four Years (Eight Semesters) **No. of Seats:** 120

**Input Qualifications:**

Candidates should have passed 10+2 from Central Board of Education or its equivalent with Physics, Chemistry and Mathematics and should have proficiency in English.

**Admission Eligibility:**

As decided by the University from time to time.

**Semester-wise Programme:**

Code	Course Title	L	T	P	C
<b>FIRST SEMESTER</b>					
<b>FIRST YEAR</b>					
MAT 101	Mathematics - I	3	1	0	4
EE 101	Electrical Science	3	1	0	4
EL 101	Digital Logic & Processor	3	1	3	5
TA 101	Computer Programming	2	0	4	4
TA212	Workshop Practice	1	0	4	3
ENG 101	English	3	0	0	3
<b>TOTAL</b>		<b>15</b>	<b>3</b>	<b>11</b>	<b>23</b>
NU 101	Unlearning	3	0	0	3
NU 111	Community Connect	0	0	2	1

<b>SECOND YEAR</b>					
MAT 201	Mathematics – III	3	1	0	4
EL 201	Basic Telecommunication	3	0	3	4
EL 321	Electromagnetic Theory	3	0	0	3
EL 211	Semiconductor Devices	3	1	0	4
CS 211	Operating System	3	0	2	4
	HSSM-II	3	0	0	3
<b>TOTAL</b>		<b>18</b>	<b>2</b>	<b>5</b>	<b>22</b>
NU 211	Community Connect	0	0	2	1

<b>THIRD YEAR</b>					
	Science – II	3	0	2	4
COM 301	Communication Systems	3	0	3	4
EL 311	Digital Signal Processing	3	0	3	4
EL 301	Integrated Electronics	3	0	3	4
ENV 301	Environmental Science	3	0	0	3
	HSSM-IV	3	0	0	3
<b>TOTAL</b>		<b>18</b>	<b>0</b>	<b>11</b>	<b>22</b>
NU 311	Community Connect	0	0	2	1

<b>FOURTH YEAR</b>					
	Professional Elective - III	3	0	2	4
	Professional Elective – IV	3	0	2	4
	Professional Elective - V	3	0	2	4
	Open Elective – II	3	0	2	4
	Open Elective – III	3	0	0	3

Code	Course Title	L	T	P	C
<b>SECOND SEMESTER</b>					
<b>FIRST YEAR</b>					
MAT 112	Mathematics – II	3	1	0	4
EL 102	Analog Electronic Circuits	3	1	3	5
CS 102	Fundamentals of Algorithms	3	0	3	4
CS 122	Computer Arch. & Organisation	3	0	2	4
TA 102	Communication Skills	2	0	2	3
	HSSM-I	3	0	0	3
<b>TOTAL</b>		<b>17</b>	<b>2</b>	<b>10</b>	<b>23</b>
NU 112	Community Connect	0	0	2	1

<b>SECOND YEAR</b>					
	Science – I	3	0	2	4
COM 202	Communication Theory	3	0	3	4
COM 212	Communication Networks	3	0	3	4
EL 211	Signals and Systems	3	1	0	4
TA 202	Engg. Graphics	2	0	2	3
	HSSM-III	3	0	0	3
<b>TOTAL</b>		<b>17</b>	<b>1</b>	<b>10</b>	<b>22</b>
NU 212	Community Connect	0	0	2	1

<b>THIRD YEAR</b>					
	Science – III	3	0	2	4
	Professional Elective – I	3	0	2	4
	Professional Elective - II	3	0	2	4
NU 302	R & D Project	1	0	6	4
	Open Elective – I	3	0	0	3
	HSSM-V	3	0	0	3
<b>TOTAL</b>		<b>16</b>	<b>0</b>	<b>12</b>	<b>22</b>
NU 312	Community Connect	0	0	2	1

<b>FOURTH YEAR</b>					
NU 402	Industry Practice/ Project	0	0	40	20
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>40</b>	<b>20</b>
NU 412	Community Connect	0	0	2	1



**NIIT UNIVERSITY**  
**NH – 08, Delhi Jaipur Highway**  
**Neemrana – 301705, Dist. Alwar (Rajasthan)**

**MINUTES OF THE FORTY-FIRST MEETING OF THE ACADEMIC COUNCIL**

**(Second Meeting of the AY-2020-2021)**

Minutes of the Forty-First Meeting of the Academic Council (Second Meeting for the AY 2020 – 2021) of NIIT University, Neemrana held on Friday December 18, 2020 at 11:00 am in the Senate Room, NIIT University, Neemrana and virtually on Microsoft Teams (due to Covid-19 Pandemic).

**Members Present**

**Meeting presided by Prof. Parimal V Mandke, In the Chair**

- |                                  |                                 |
|----------------------------------|---------------------------------|
| 2. Maj. Gen. A K Singh (Retd.)   | 3. Prof. Ajay Kumar Singh       |
| 4. Dr. Anshima Srivastava        | 5. Mr. Arun Kumar               |
| 6. Prof. Debashis Sengupta       | 7. Prof. Deepak Khanna          |
| 8. Prof. Eswaran Narasimhan      | 9. Dr. Gaurav Gupta             |
| 10. Prof. Gurendra Nath Bhardwaj | 11. Prof. Huzur Saran           |
| 12. Dr. Keerti Jain              | 13. Dr. Prashant Srivastava     |
| 14. Prof. Ratna Sanyal           | 15. Prof. Shivendra Nath Sharan |
| 16. Dr. Smarajit Dey             | 17. Dr. Soumyadeep Chakraborty  |
| 18. Prof. Sudip Sanyal           | 19. Dr. Suman Sanyal            |
| 20. Dr. Sushil Kalyani           | 21. Dr. Utkarsh Raj             |
| 22. Dr. Vaishali Shinde          | 23. Prof. Vijay Mandke          |
| 24. Dr. Vikas Upadhyaya          | 25. Dr. Vivek Srivastava        |
| 26. Dr. Yogendra Pal             |                                 |

Dr. Shivendra Mathur, Registrar- Member Secretary

It was informed that Dr. Anul Haq, Prof. SK Verma and Dr. Vinay Sharma had requested for leave from attending the meeting.



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- 41.07 The Council was reported the Introduction of new Programme- B.Tech. in Data Science as per *Appendix-G* of the Agenda.

It was decided by the Council that the complete programme proposal be circulated to the Members via email to seek its approval having incorporated all the suggestions as recommended by the Council during the meeting.

#### Part II: Items of Review & Approval

- 41.08 The Minutes of the Fortieth Meeting of the Academic Council held on Friday Sep. 04, 2020 as per *Appendix-H* of the Agenda were confirmed.
- 41.09 Council noted the Action Taken Report on the points as discussed during the Fortieth Meeting of the Academic Council held on Friday Sep. 04, 2020 as per *Appendix-I* of the Agenda.

It was decided to circulate the SOP on Online Examinations to the new Members. The SOP will be adopted post incorporating the suggestions and recommendations.

- 41.10 Council considered and approved the Minutes of the Examination Committee Meeting as per *Appendix-J* of the Agenda.
- 41.11 Council considered and approved the proposal for introduction of a new Programme – MTech in Cyber Security, as per *Appendix-K* of the Agenda.
- 41.12 Council considered and approved the proposal for introduction of a new B.Tech. Programme, Communication and Computer Engineering (C&CE) with an annual intake of upto 30 students as per *Appendix-L* of the Agenda.
- 41.13 Council considered and approved, mention of Area of Specialization as parenthesis in the degree certificate. E.g. B Tech (Computer Science & Engineering) with specialization in Data Science.

- 41.14 Council considered and approved the reduction in annual intake capacity of following programmes:

Programme	Approved Intake	Proposed Intake
B.Tech. BT	30	15
B.Tech. ECE	60	30



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41.15 Council received a complete report and considered and approved recommendations of Programme Committee for B.Tech. in Biotechnology which were deferred in the last Meeting as per *Appendix-M* of the Agenda.

41.16 Council considered and approved the descriptions of approved course titles and revisions to approved course descriptions as per *Appendix-N* of the Agenda.

I. Approval of course descriptions

*IMBA*

- HRM 242 Cross Cultural Management
- DS 202 Introduction to Data Driven Decisions

*PGDBRM*

- ECON 501 Economics
- MKT 531 Understanding Marketing
- MKT 511 Business Statistics

*B Tech (ECE)*

- EL 322 Industrial Control, Robotics and Automation
- EL 332 IOT and Sensor Networks


II. Revisions to approved course descriptions

- EL 211 Signals and Systems
- EL 311 Digital Signal Processing

The Council recommended that the standard format of course description should be followed in terms of writing textbooks and reference books, in order to make all courses descriptions uniform.

41.17 Council considered and approved the Standard Operating Procedure for Disposal of Student Discipline Cases as per *Appendix-O* of the Agenda.

Meeting ended with a vote of thanks to the Chair.

  
(Dr. Shivendra Mathur)  
Member Secretary

  
(Prof. Parimal V Mandke)  
Chairperson

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[Jun-Jul - 2 months for I/NC courses (if any) and One Compulsory Course]

**Course-I** : Professional Communication (TA 531) – (2 Credits)

Semester III (Infosys)					Semester IV (Infosys)						
#	Course Title	L	T	P	C	#	Course Title	L	T	P	C
1	Internship (NUCS 601)	-	-	-	12	1	Internship (NUCS 602)	-	-	-	15

**Semester II : Elective-I & Elective-II Courses [Select Any Two]**

#	Course Code	Course Title	L	T	P	C
1	CS 572	Cyber Forensics	3	0	2	4
2	CS 552	Security Analytics	3	0	2	4
3		AI & ML in Cyber Security	3	0	2	4
4		IoT & Blockchain Security (** required course for IOT & Block Chain stream)	3	0	2	4

**Semester II : Elective-III [Select Any One]**

#	Course Code	Course Title	L	T	P	C
1		Industrial Control Systems & SCADA Security	3	0	0	3
2	CS 582	Cyber Crimes & Cyber Laws	3	0	0	3
3	CS 592	Social Media, Behavioural Aspects	3	0	0	3

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**NIIT UNIVERSITY**  
**NH – 8, Delhi Jaipur Highway**  
**Neemrana – 301705, Distt. Alwar (Rajasthan)**

**Sub. :** Minutes of the First Meeting of the Academic Council of the NIIT University held on Friday the 20<sup>th</sup> August, 2010 at 10.30 am in the Board Room, IV Floor, NIIT Corporate Office, 85, Sector 32, Institutional Area, Gurgaon – 122001.

**PRESENT**

**MEMBERS**

Dr. Rajeev Shorey – Chairman

- |                         |                         |
|-------------------------|-------------------------|
| 2. Dr Nutan Bharati     | 3. Dr R. N. Biswas      |
| 4. Mr Arindam Chaudhari | 5. Dr. Meenu Chhabra    |
| 6. Dr. B N Jain         | 7. Dr. Sunil Khanna     |
| 8. Dr. Vijay Mandke     | 9. Dr. Anuradha Parasar |
| 10. Dr. Varsha Singh    |                         |

**INVITEES**

1. Mr. Rajesh Yadav
2. Mr. Praveen Sharma

Dr. Parimal V Mandke, Registrar - Member Secretary

(Dr. J.L. Arora Prof, Dr. Sumit Kaur Bhatia, Dr. Samir K Brahmachari, Dr. B. G. Prakash, Dr. S. Ramaswamy could not attend the Meeting.)

**Item  
No.**

**Item**

The President welcomed all the Members and thanked them for attending the meeting.

The President gave a brief introductory note about the NIIT University, Students, Faculty and gave a brief status on ongoing UG, PG & Doctoral programmes.

- 01.01** Noted that the Board of Management, in its meeting held on April 5, 2010 has constituted the Academic Council, an Academic Authority of the University, vide its item no. 02.02, as per the Statutes and regulations given in *Appendix A* of the Agenda.



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It was resolved that the document at Appendix B should be made more comprehensive so that it could be a useful document for all faculty and students to consult. Council was informed that a full day Faculty Induction Programme was conducted in July 2010 in order to familiarize the faculty with a system of education and evaluation adopted at NU prior to which, a document on the subject was circulated.

01.06 Considered the Proposals for the introduction of the following Academic Programmes as per Appendix C of the Agenda and after the detailed discussion approved the same.

**A. Undergraduate Programmes**

- i. *B. Tech. in Biotechnology*
- ii. *B. Tech. in Computer Science & Engineering*
- iii. *B. Tech. in Information & Communication Technology*

**B. Post Graduate Programmes**

- iv. *M. Tech. in Bioinformatics*
- v. *M. Tech. in Educational Technology*
- vi. *M. Tech. in Embedded Systems*
- vii. *M. Tech. in Pervasive Systems*
- viii. *Master of Business Administration*

**C. Doctoral Programme**

- ix. *Ph. D.*

Question of what programs would be introduced by NU and whether NU would offer programs in sciences and humanities or would these areas be treated as 'service' areas came up in discussions. The President informed that NU plans to offer the programs in sciences and humanities too. It was also mentioned that NU would offer programs with a curriculum that make a distinct value addition to the learner and there is a well identified taker for a student at the end of the program.

Council advised NU to re-think the introduction of 'specialized' areas even at the Masters level. The top class institutions in the USA also do not offer high specializations as it is an expensive proposition. The same objective may be achieved by giving flexibility to students through electives.

The fact that the M Tech programs of NU are industry-based was shared. It was cautioned that M. Tech. Programme may be interpreted as a distance learning programme. It was mentioned that all features of regular programme are followed in the NU M. Tech programmes. Need to build a proper argument in the above regard was noted.

With regard to Ph D program a request was made that the Ph D regulation should allow a working professional to register while being at work-place. In this context, it was



It was observed that the Examination Committee is a very high powered committee. Powers of the Examination Committee, particularly as defined at (d) and (e) may be relooked at.

It was suggested that minimum corum should be defined for each Committee.

It was suggested that the following point should be added under the Research Committee: "Research Committee works closely with the Research Advisory Board".

It was suggested that the University should clearly specify in its rules and regulations, an action which the University would take if a student is charged of committing crime anywhere outside the University Campus.

**Additional points with the permission of the Chair**

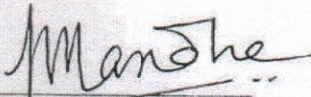
It was suggested that the approved System of Education and Evaluation and Ordinances and Regulations of the University may be circulated to faculty and all concerned for their remarks.

A need was expressed by the Educational Technology area for a provision in the NU academic ordinances and regulations to permit registration to a "single course". Course-wise fee would have to be introduced for such cases.

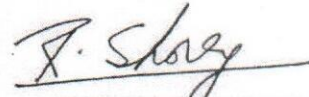
Request for introduction of "Teaching Practice" as a compulsory course requirement every semester in a Ph D program was made. It was recognized that the Ph D regulation needs to be worked out in detail at the earliest.

The tentative month proposed for Second Academic Council meeting is Dec, 2010.

The meeting ended with a vote of thanks to the Chair.



(Dr. Parimat V Mandke)  
Secretary



(Rajeev Shorey)  
Chairman

Registrar  
NIIT UNIVERSITY



## B.Tech. IN BIOTECHNOLOGY

### Academic Curriculum (2010– 2011 onwards)

**Programme Level:** Undergraduate **Duration:** Four Years (Eight Semesters) **No. of Seats:** 60

**Input Qualifications:**

Candidates should have passed 10+2 from Central Board of Education or its equivalent with Physics, Chemistry and Mathematics and / or Biology and should have proficiency in English.

**Admission Eligibility:**

As decided by the University from time to time.

**Semester-wise Programme:**

First Semester														
PCB							PCM/PCMB							
Code	Course Title	L	T	P	H	C		Course Title	L	T	P	H	C	
MAT 001	Mathematics - A	3	1	0	4	4		MAT 101	Mathematics - 1	3	1	0	4	4
BIO 001	Cell Biology	3	0	2	5	4		BIO 001	Cell Biology	3	0	2	5	4
CHM 101	Chemistry I	3	0	3	6	4		CHM 101	Chemistry I	3	0	3	6	4
CHM 102	Physics II	3	0	3	6	4		CHM 102	Physics II	3	0	3	6	4
TA 101	Computer Programming	2	0	4	6	4		TA 101	Computer Programming	2	0	4	6	4
TA 111	Computer Skills (PC & Web)	1	0	4	5	3		TA 111	Computer Skills (PC & Web)	1	0	4	5	3
ENG 101	English	3	0	0	3	3		ENG 101	English	3	0	0	3	3
	<b>Semester credits</b>	<b>18</b>	<b>1</b>	<b>16</b>	<b>35</b>	<b>26</b>			<b>Semester credits</b>	<b>18</b>	<b>1</b>	<b>16</b>	<b>35</b>	<b>26</b>
NU 101	Unlearning	3	0	0		1		NU 101	Unlearning	3	0	0		1
NU 111	Community Connect	0	0	2		1		NU 111	Community Connect	0	0	2		1
Second Semester														
MAT 002	Mathematics - B	3	1	0	4	4		MAT 102	Mathematics - 2	3	1	0	4	4
CHM 112	Chemistry II	3	0	3	6	4		CHM 112	Chemistry II	3	0	3	6	4
EL 101	Digital Logic & Processor	3	1	3	7	5		EL 101	Digital Logic & Processor	3	1	3	7	5
BIO 112	Microbiology	3	0	3	6	4		BIO 112	Microbiology	3	0	3	6	4
TA 102	Communication Skills	2	0	2	4	3		TA 102	Communication Skills	2	0	2	4	3
ECON 102	Economics	3	0	0	3	3		ECON 102	Economics	3	0	0	3	3
	<b>Semester credits</b>	<b>17</b>	<b>2</b>	<b>11</b>	<b>30</b>	<b>23</b>			<b>Semester credits</b>	<b>17</b>	<b>2</b>	<b>11</b>	<b>30</b>	<b>23</b>
NU 112	Community Connect	0	0	2		1		NU 112	Community Connect	0	0	2		1
Third Semester														
MAT 211	Mathematics - C	3	1	0	4	4		MAT 201	Mathematics - 3	3	1	0	4	4
CHM 201	Thermodynamics	3	0	3	6	4		CHM 201	Thermodynamics	3	0	3	6	4
BIO 201	Biological Chemistry	3	0	3	6	4		BIO 201	Biological Chemistry	3	0	3	6	4



CS 122	Computer Arch. & Organisation	3	0	2	5	4		CS 122	Computer Arch. & Organisation	3	0	2	5	4
EL 221	Basic Electronic Circuits	3	1	3	7	5		EL 221	Basic Electronic Circuits	3	1	3	7	5
	HSSM-2	3	0	0	3	3			HSSM-2	3	0	0	3	3
	<b>Semester credits</b>	<b>18</b>	<b>2</b>	<b>11</b>	<b>31</b>	<b>24</b>			<b>Semester credits</b>	<b>18</b>	<b>2</b>	<b>11</b>	<b>31</b>	<b>24</b>
NU 211	Community Connect	0	0	2		1		NU 211	Community Connect	0	0	2		1

**Fourth Semester**

BIO 202	Molecular Biology	3	0	3	6	4		BIO 202	Molecular Biology	3	0	3	6	4
BT 202	Biochemical Engineering	3	0	3	6	4		BT 202	Biochemical Engineering	3	0	3	6	4
BT 212	Analytical Techniques	3	0	3	6	4		BT 212	Analytical Techniques	3	0	3	6	4
CS 231	Database Management Systems	2	0	2	4	3		CS 231	Database Management Systems	2	0	2	4	3
TA 202	Graphics	2	0	2	4	3		TA 202	Graphics	2	0	2	4	3
TA 212	Workshop Practice	1	0	4	5	3		TA 212	Workshop Practice	1	0	4	5	3
	HSSM-3	3	0	0	3	3			HSSM-3	3	0	0	3	3
	<b>Semester credits</b>	<b>17</b>	<b>0</b>	<b>17</b>	<b>34</b>	<b>24</b>			<b>Semester credits</b>	<b>17</b>	<b>0</b>	<b>17</b>	<b>34</b>	<b>24</b>
NU 212	Community Connect	0	0	2		1		NU 212	Community Connect	0	0	2		1

**Fifth Semester**

BT 301	Bioprocess Engineering	3	0	3	6	4		BT 301	Bioprocess Engineering	3	0	3	6	4
BT 311	Genetic Engineering	3	0	3	6	4		BT 311	Genetic Engineering	3	0	3	6	4
	Professional Elective - 1	3	0	3	6	4			Professional Elective - 1	3	0	3	6	4
CS 102	Fundamentals of Algorithms	3	0	3	6	4		CS 102	Fundamentals of Algorithms	3	0	3	6	4
ENV 301	Environmental Science	3	0	0	3	3		ENV 301	Environmental Science	3	0	0	3	3
	HSSM-4	3	0	0	3	3			HSSM-4	3	0	0	3	3
	<b>Semester credits</b>	<b>18</b>	<b>0</b>	<b>12</b>	<b>30</b>	<b>22</b>			<b>Semester credits</b>	<b>18</b>	<b>0</b>	<b>12</b>	<b>30</b>	<b>22</b>
NU 312	Community Connect	0	0	2		1		NU 312	Community Connect	0	0	2		1

**Sixth Semester**

BT 302	Computational Biology	3	0	3	6	4		BT 302	Computational Biology	3	0	3	6	4
BT 312	Industrial Biotechnology	3	0	3	6	4		BT 312	Industrial Biotechnology	3	0	3	6	4
	Professional Elective - 2	3	0	3	6	4			Professional Elective - 2	3	0	3	6	4
NU 302	R & D Project	1	0	6	7	4		NU 302	R & D Project	1	0	6	7	4
	Open Elective (OE) - 1	3	0	0	3	3			Open Elective (OE) - 1	3	0	0	3	3
	HSSM-5	3	0	0	3	3			HSSM-5	3	0	0	3	3
	<b>Semester credits</b>	<b>16</b>	<b>0</b>	<b>15</b>	<b>31</b>	<b>22</b>			<b>Semester credits</b>	<b>16</b>	<b>0</b>	<b>15</b>	<b>31</b>	<b>22</b>
NU 312	Community Connect	0	0	2		1		NU 312	Community Connect	0	0	2		1