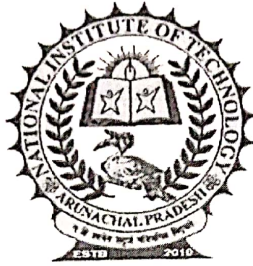


National Institute of Technology, Arunachal Pradesh
Yupia, Arunachal Pradesh – 791112



Minutes of the 26th Senate Meeting of NIT, Arunachal Pradesh held on
Circulation, NIT-Arunachal Pradesh, Yupia, Papumpare

Following Members were present:-

- | | |
|--|-------------------|
| 1. Prof. (Dr.) Pinakeswar Mahanta, Director, NIT Arunachal Pradesh | - Chairman |
| 2. Prof. Ayon Bhattacharjee, Professor, NIT Meghalaya | - Member |
| 3. Prof. V. S. Moholkar, Professor, IIT Guwahati Member | -Member |
| 4. Prof. S. N. Shome, Professor, ME, NIT AP | - Member |
| 5. Prof. Isha T.B., Professor, EE, NIT AP | - Member |
| 6. Dr. Uday Kumar Khanikar, Registrar NIT, Arunachal Pradesh | -Member Secretary |
| 7. Dr. M. Mallik, Associate Professor/CE, NIT, Arunachal Pradesh | - Invitee |
| 8. Dr. Rajen Pudur, DIC(A&E), NIT, Arunachal Pradesh | - Invitee |
| 9. Dr. K. R. Singh, Asso. DIC(A&E), NIT, Arunachal Pradesh | - Invitee |
| 10. Prof. M.K. Shome, Professor, NIT Arunachal Pradesh | - Invitee |
| 11. Prof. R.P. Sharma, Asso. Professor, NIT, Arunachal Pradesh | - Invitee |
| 12. Dr. J. Taipodia, HoD CE, NIT, Arunachal Pradesh | - Invitee |
| 13. Dr. K. Mondal, HoD/CHE, NIT, Arunachal Pradesh | - Invitee |
| 14. Dr. Anup Paul, HoD/ME, NIT, Arunachal Pradesh | - Invitee |
| 15. Dr. S. Maity, HoD/BAS, NIT, Arunachal Pradesh | - Invitee |
| 16. Dr. P. K. Hui, HoD I/C/BT, NIT, Arunachal Pradesh | - Invitee |
| 17. Dr. A. Banerjee, HoD/EE, NIT, Arunachal Pradesh | - Invitee |
| 18. Dr. K. Sambyo, HoD/CSE, NIT, Arunachal Pradesh | - Invitee |
| 19. Dr. Yaka Bullo, HoD/ECE, NIT, Arunachal Pradesh | - Invitee |

Member not present:

1. Prof. Jumyir Basar, Associate Professor, RGU, AP, could not attend the meeting due to pre-occupations.

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Agenda
item
26.01

Confirmation of minutes of 25th Senate meeting and action taken report.

Minutes of the 25th Senate meeting NIT Arunachal Pradesh held on 15.05.2020 (by circulation) were circulated among the members. The comments from members were taken in to consideration while preparing the minutes. The item-wise action taken report is placed in attachment.

Decision: Noted & Approved.

Agenda
item
26.02

Seeking approval for end semester Jan-June 2020 examination with one-time special arrangement online.

After the recent meeting with all HoDs, Dean(Academic) and Senate Chairman on online conduction of end semester examinations, an urgent meeting was held subsequently between dean academic and Senate chairman, and it is realized that direct promotion of students based on mid semester, quiz and assignments is not proper which violates the ordinance. Moreover, students are found to be in contact with course instructors in terms of online courses, assignments, and quizzes for the last couple of months. Thus, the inability of students to appear in online examinations is not justified. Holding examinations can be simplified by sending question papers in different modes and answer scripts can be obtained in different modes such as via e-mail, google drive, moodle, whatsapp, etc.

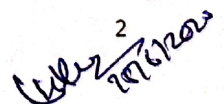
Keeping in view all the feedbacks from HoDs, the end semester examination Jan-June 2020 session may not be live online, rather it will be in the following methods as a one-time special arrangement under the pandemic situation:

1. Open book questions will be sent to all students and they will in turn submit answers through mail/WhatsApp/Facebook or any other networking apps, answers should be hand written and signature with date of student on each page. Once it is done, it can be scanned or a photo can be taken and sent to the faculty for evaluation.
2. Reasonable time period will be given to students.
3. For practical courses, MCQ on the subject may be sent by as cited in serial No 1.
4. Students who do not respond may be awarded I grade. They may be re-examined on request
5. Exam notice will be given in a day or two by academic section.
6. Exam will be conducted by faculty during the period 25 June to 5 July
7. Grading will be completed and submitted to the academic section by 10th July
8. Summer courses will be started online from 12 July.

Decision: Noted & Approved.


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Agenda
item
26.03

Ratification of the approval for permission given to students to opt for courses from SWAYAM portal for next Semester (July-Dec 2020)

As we know that the whole nation is under pandemic due to outbreak of nCorona virus leading to COVID-19, which created huge challenges for academic activities for our institute. To follow proper SoP and guidelines prescribed by MHRD online classes and examination is the best option in such situation. Accordingly, as directed telephonic meeting was conducted with all HoDs on 15th May 2020, and an instruction was given to all HoDs to prepare load allocation for July-Dec 2020 session keeping at least two subjects from SWAYAM portal which are matching with existing syllabus. And departments are selected the following subjects from SWAYAM portal:

Electrical Engineering Department

Semester	Subject from Swayam Portal	Week
3 rd	Basic Electrical Circuits	12
5 th	Power System Analysis	12
	Introduction to Embedded System Design	
7 th	Power System Protection and Switchgear	12
M-Tech(1 st)	Technologies for Clean and Renewable Energy	12
	Solar Energy Engineering and Technology	
	Energy Economics and Policy	

Mechanical Engineering Department

Semester	Subject from Swayam Portal	Week
3 rd	Strength of materials	12
	Basics of Materials Engineering	
	Concepts of Thermodynamics	
5 th	Heat Transfer	12
	Engineering Metrology	
7 th	Product Design and Development	4
	Computational fluid dynamics	12
	Composite materials	

Bio-Technology

Semester	Subject from Swayam Portal	Week
5 th	Immunology	12
	Principles of Downstream Techniques in Bioprocess	
7 th	Bioreactors	4
	Experimental Biotechnology	12
PhD	Immunology	12
	Principles of Downstream Techniques in Bioprocess	12
	Bioreactors	4
	Experimental Biotechnology	12

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Computer Science and Engineering Department

Semester	Subject from Swayam Portal	Week
3 rd	Data structure and Algorithm using JAVA	12
	Digital Circuits	
5 th	Analog Communication	12
	Data base Management	8
7 th	Fundamentals of Artificial Intelligence	12
	Applied Natural language Processing	

Chemical Engineering Department

Semester	Subject from Swayam - NPTEL Portal	Week
5 th	Mass Transfer - 1	12
	Chemical Reaction Engineering - 1	12
	Process Instrumentation	12
	Chemical Process Calculations	12
7 th	Transport Phenomena	12

Electronics and Communication Engineering Department

Semester	Subject from Swayam Portal	Week
3 rd	Digital Logic Design	12
5 th	RF & Microwave Engineering	12
7 th	Mobile Communication	12
M-Tech	Principles of Communication	12

Basics and Applied Science Department

Semester	Subject from Swayam	Week
5 th	Computational Numerical Methods	8
	Probability and Stochastic Process	12
M-Tech(1 st)	Advanced Numerical Methods	8
	Advanced Discrete Mathematics	12
APH	Nuclear and Particle Physics	12

Management & Humanities Department

Semester	Subject from Swayam	Week
5 th	Principles of Management	12
7 th	Innovation, Business Models and Entrepreneurship	8
	Principles of Management	12
	Managerial Economics	

Civil Engineering Department

Semester	Subject from Swayam	Week
3 rd	Strength of materials	12
	Fluid Mechanics	8
5 th	GPS Surveying	4

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7 th	Structural Analysis –I	12
	Project Planning & Control	8
	Advanced Concrete Technology	12
	Municipal Solid Waste Management	
	Integrated Waste Management for a Smart City	
	Foundation Engineering	8
Remote sensing and GIS		

Subjects other than SWAYAM portal for 1st, 3rd, 5th, and 7th semester for UG and 1st for PG and Ph.D. it is proposed to request all heads of the departments to streamline for interactive classes online if condition is not normalized.

Decision: Noted & approved and the list of subject selected from SWAYAM portal in replacement of the following existing subjects and given below:

Department : Electrical Engineering	
Existing Subjects	SWAYAM portal subjects
EE 201: Electrical Circuit Analysis	Basic Electrical Circuits
EE 704: Switchgear and Protection	Power System Protection and Switchgear
EE 502 (REEM): Solar Energy Conversion & Photovoltaics	Solar Energy Engineering and Technology
EE 504: Embedded Systems	Introduction to Embedded System Design
EE 501: Power System II	Power System Analysis
EE 505 (REEM): Energy Economics and Planning	Energy Economics and Policy
EE 501 (REEM): Principles of Energy Conversion	Technologies for Clean and Renewable Energy
Department : Mechanical Engineering	
Solid Mechanics	Strength of materials
Material Science	Basics of Materials Engineering
Basic Thermodynamics	Concepts of Thermodynamics
Heat Transfer	Heat Transfer
Measurement and Metrology	Engineering Metrology
Creative Design	Product Design and Development
Elective -I	Computational fluid dynamics
Elective -II	Composite materials
Department :Bio-Technology	
Immunology	Immunology
Enzyme Technology or Database Management System	Principles of Downstream Techniques in Bioprocess
Bioreactors Analysis and Design	Bioreactors
Elective -II	Experimental Biotechnology
Department of Computer Science & Engineering	
Data structure and Algorithm	Data structure and Algorithm using JAVA
Digital Logic Design	Digital Circuits
Principle of Communication Engineering	Analog Communication
Data Base Management	Data base Management
AI & Neural Network	Fundamentals of Artificial Intelligence

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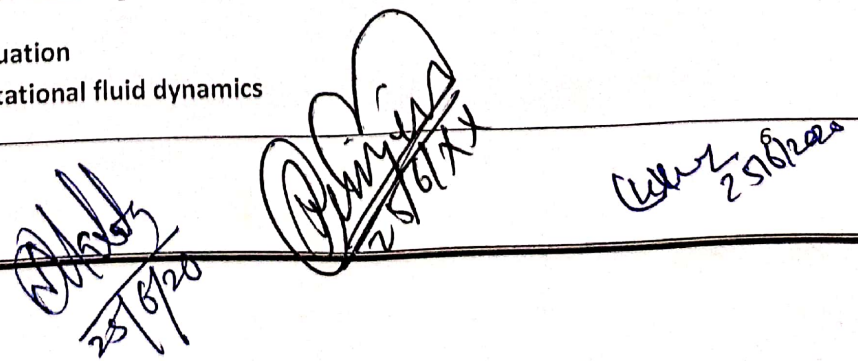
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(Elective -II)	Applied Natural language Processing
Department : Chemical Engineering	
Mass Transfer - 1	Mass Transfer - 1
Chemical Reaction Engineering - 1	Chemical Reaction Engineering - 1
Chemical Process Instrumentation	Process Instrumentation
Basic Principles and Calculations in Chemical Engineering	Chemical Process Calculations
Transport Phenomena	Transport Phenomena
Department : Electronics & Communication Engineering	
Digital Logic Design	Digital Circuits
RF & Microwave Engineering	Microwave Engineering
Mobile Communication	Wireless and cellular Communication
Principles of Communication	Analog Communication
Department : Basic & Applied Science	
Computational Numerical Methods	Numerical Methods
Probability and Stochastic Process	Probability Foundation for Electrical Engineering
Advanced Numerical Methods	Numerical Methods
Advanced Discrete Mathematics	Discrete Mathematics
Nuclear and Particle Physics	Nuclear and Particle Physics
Department : Management & Humanities	
Industrial Management	Principles of Management
Industrial Economics	Innovation, Business Models and Entrepreneurship
Entrepreneurship & Innovation for Practices	Principles of Management
Industrial Management	Managerial Economics
Department : Civil Engineering	
Structural Mechanics	Strength of materials
Fluid Mechanics -I	Fluid Mechanics
Surveying -II	GPS Surveying
Structural Analysis -II	Structural Analysis -I
Construction Planning and Management	Project Planning & Control
Elective-I	Advanced Concrete Technology
	Municipal Solid Waste Management
	Remote sensing and GIS
Elective-II	Integrated Waste Management for a Smart City
	Foundation Engineering
	Remote sensing and GIS

The course code of above subjects are as given in the agenda item, in addition Senate also approves the following PHD subjects for BAS department

1. Partial Differential Equation
2. Foundation of computational fluid dynamics



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Senate also advised all HoDs to inform respective students to register in SWAYAM portal for July-Dec 2020 session as per given subjects immediately.

Agenda item 26.04 Seeking approval for conversion of PS Mr. Phurba Dorjee Philley status from full time to part-time.

Ph.D. scholar Mr Phurba Dorjee Philley was admitted in Civil Engineering department as a full time scholar in the month of July 2019. And later he got selected in Polytechnic collage govt. of Arunachal Pradesh. Accordingly as per PhD ordinances request letter is received from the candidates along with NOC from employer. As per clause no. 17 (1, 2, 3, 4) the conversion from full time to part time is permissible.

Decision: Noted & Approved.

Agenda item 26.05 Seeking approval for credit transfer from SWAYAM NPTEL courses for PhD program, whose assigned examination have been cancelled by portal.

A mail letter is received from Prof. M. Mallik, requesting for suggestions on the subject. The NPTEL courses opted by PhD students for Jan-July 2020 session was supposed to conduct examination on June 2020 by portal, but it has been cancelled. Instead NPTEL will send marks on the basis of assignments submitted. It is placed for Senate to approve the credit transfer of such subjects on the basis of marks send by SWAYAM NPTEL for all similar cases.

Decision: Approved.

Agenda item 26.06 Seeking approval for special permission for few students to allow for summer course.

After carefully verification and investigation, the following students are found to be completed all chances for attending examinations for particular subjects, (All four terms), applications have been received from them for giving them one last chance in summer course 2020, they are:

Branch	Roll No	Name	Course Code	Present semester
CHE	CHE/16/06	RAVI PATHAK	CHY201	8 th
ECE	ECE/16/02	SUMIT MOCHAHARY	ECE-402	8 th
	ECE/15/31	ROHIT SINGH	ECE-402	
EE	EE/17/18	LINGGING TAKI	EE-101	6 th

Decision: Approved as one time special permission to register for summer course 2020.

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Agenda
item
26.07

Seeking approval for inclusion of EWS seats in seat matrix of 2020 UG admission.

For the forthcoming UG admission process the following seat matrix for 2020 is prepared with EWS as follow:-

S/n	Department	No. of seat	EWS*	Total seats
1.	CE	38	10	48
2.	CSE	38	10	48
3.	EC	38	10	48
4.	EE	38	10	48
5.	ME	38	10	48
		190	50	240

*The calculation of EWS seats are as per instruction given by Ministry, and if permits this will be included in seat matrix.

Decision: Approved.

Agenda
item
26.08

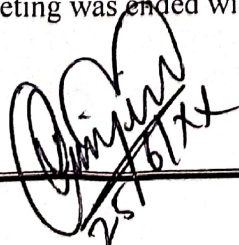
Seeking approval of admission process in PHD (July-Dec, 2020) session through interview (online).

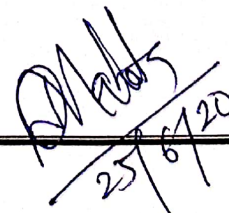
Advertisement seeking applications for admission in PhD programme for session July-Dec2020 was published vide no. NIT/AP/Acad/Ph.D.-01/2018-19/635, dated 21st Feb 2020, total 227 numbers of applications received against the advertisement. Scrutiny of applications was completed in respective departments and 202 applications are found in order.

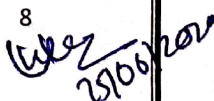
As because of restriction in physical movement due to present lockdown because of COVID-19 pandemic, it is proposed to select candidates for admission in PhD program against vacancies as per the available quota of eligible faculty members for research guidance on the basis of interview (online) and evaluation of research proposal submitted by the applicants.

Decision: Approved, however if any department wants to conduct entrance test in the form of MCQ in addition to personal interview then they may conduct and report to Dean Academic.

Meeting was ended with vote of thanks from Chairman


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