

**THE XXVI<sup>th</sup> MEETING  
OF  
SENATE**

**NATIONAL INSTITUTE OF TECHNOLOGY  
MEGHALAYA**

**MINUTES**

*Day: Friday*

*Date: 17.09.2021*

*Time: 10:30 AM*

*Venue: Conference Room*

*Mode: Offline and Online (via G-Meet)*

## **NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA**

### **Minutes of the XXVI<sup>th</sup> Meeting of the Senate held on 17.09.2021**

The XXVI<sup>th</sup> Meeting of the Senate of NIT Meghalaya was held on 17<sup>th</sup> Sep 2021 at the Conference Room of the Institute through a Video Conference as well as through offline mode from 10:30 AM onwards. The following members attended the Meeting:

|  |                |
|--|----------------|
| 1. Professor B.B. Biswal, Director, NIT Meghalaya    | -Chairman      |
| 2. Prof. N.C. Shivaprakash, IISC Bangalore           | -Member        |
| 3. Prof. R. K. Sahoo, NIT Rourkela                   | -Member        |
| 4. Prof. N. Tripathy, IIM, Shillong                  | -Member        |
| 5. Prof. G. Panda, Professor, NIT Meghalaya          | -Member        |
| 6. Prof. H. C. Das, Professor, NIT Meghalaya         | -Member        |
| 7. Prof. A. Bhattacharjee, Professor, NIT Meghalaya  | -Member        |
| 8. Dr. C. Marthong, Dean (Planning & Development)    | - Spl. Invitee |
| 9. Dr. G. Dutta, Dean (Research & Consultancy)       | - Spl. Invitee |
| 10. Dr. A. Banerjee, Chairman, IQAC, NIT Meghalaya   | - Spl. Invitee |
| 11. Dr. R. N. Mahapatra, HoD, ME, NIT Meghalaya      | - Spl. Invitee |
| 12. Dr. P.S. Mangang, HoD, HS, NIT Meghalaya         | - Spl. Invitee |
| 13. Dr. Yogita, HoD, CS, NIT Meghalaya               | - Spl. Invitee |
| 14. Dr. P. Rangababu, HoD, EC, NIT Meghalaya         | - Spl. Invitee |
| 15. Dr. S. Debbarma, HoD, EE, NIT Meghalaya          | - Spl. Invitee |
| 16. Dr. B. Kumbhakar, HoD, MA, NIT Meghalaya         | - Spl. Invitee |
| 17. Dr. A. Nath, HoD, PH, NIT Meghalaya              | - Spl. Invitee |
| 18. Dr. H. M. Kalita, HoD, CE, NIT Meghalaya         | - Spl. Invitee |
| 19. Dr. N. K. Nath, HoD, CY, NIT Meghalaya           | - Spl. Invitee |
| 20. Dr. R. S. Das, PIC- CCD, NIT Meghalaya           | - Spl. Invitee |
| 21. Dr. S. Thokchom, PIC (PG&R), NIT Meghalaya       | - Spl. Invitee |
| 22. Dr. R. Roy, PIC (UG), NIT Meghalaya              | - Spl. Invitee |
| 23. Mrs. A. Rai, Asst. Registrar (AA), NIT Meghalaya | - Spl. Invitee |
| 24. Mr. B.N. Choudhury, Registrar, NIT Meghalaya     | -Secretary     |

At the outset, the Chairman, Senate of NIT Meghalaya welcomed the members and the special invitees to the twenty-sixth meeting of the Senate. Thereafter, the agenda items of the day were taken up.

#### **Item No.1: Confirmation of Minutes of the XXV<sup>th</sup> Meeting of the Senate of NIT Meghalaya held on 26.07.2021**

The XXV<sup>th</sup> meeting of the Senate of the Institute was held on 26.07.2021 through Video Conference as well as through offline mode. The minutes of the meeting were circulated amongst the members of the Committee for their comments/observations. No comments were received from the members. After discussions, the Senate resolved to confirm the minutes of the XXV<sup>th</sup> Meeting of the Senate.

**R1/SENATE-XXVI/21: The Senate Resolved to Confirm the minutes of the XXV<sup>th</sup> Senate Meeting held on 26th July 2021.**

#### **Item No.2: Action Taken Report on the Decisions of the XXV<sup>th</sup> Meeting of the Senate**

The actions taken on the decision of the XXIII<sup>rd</sup> and XXV<sup>th</sup> Meeting of the Senate were circulated amongst the members as a part of the agenda items. During the meeting, the actions taken were elaborately deliberated and the Senate members noted the actions

taken by the Institute.

The Senate further suggested for incorporating the following condition within Semester Wise Credit Structure for Ph. D Scholars after Registration (R8/SENATE-XXIII/20) while approving the schemes of evaluation presented by the IQAC.

- *The scholar must attain minimum BB grade failing which he/she shall repeat the Research Work Content and/or Technical Writing and Seminar.*

**R2/SENATE-XXVI/21: The Senate Noted and Confirmed the actions taken on the resolutions of the XXVth Senate Meeting after incorporation of the above mentioned point on semester wise credit structure for Ph. D Scholars after registration.**

### **Items for Approval**

**Item No. 3: List of B. Tech, M. Tech, M. Sc and Ph. D students qualifying for the award of degree in the 8th Virtual Convocation.**

The Senate was apprised that a total of **124** B. Tech students, **37** M. Tech students, **34** M. Sc students and **18** Ph.D scholars have completed the requirements of the Programme during June-Sep, 2021. The lists of students eligible for award of degree were presented before the Senate as under:

#### **List of 124 B. Tech Students Eligible for Award of Degree**

| Civil Engineering |          |                          |
|-------------------|----------|--------------------------|
| No.               | Roll No. | Name                     |
| 1                 | B17CE002 | Abhishek Hajong          |
| 2                 | B17CE003 | Priyanchi A Sangma       |
| 3                 | B17CE005 | Mayalang Ymbon           |
| 4                 | B17CE006 | Lastcaa Assembly Pasi    |
| 5                 | B17CE008 | Medarton Nongrum         |
| 6                 | B17CE009 | Aditya Tarafdar          |
| 7                 | B17CE010 | Adarsh Verma             |
| 8                 | B17CE013 | Elizabeth Susngi         |
| 9                 | B17CE014 | Ngangbam Sweeta Devi     |
| 10                | B17CE015 | Chiithuzhio Mao          |
| 11                | B17CE017 | Nilesh Kumar Singh       |
| 12                | B17CE018 | Josekielnezer Kharkongor |
| 13                | B17CE020 | Ibadaplin L Lyngkholi    |
| 14                | B17CE023 | Sudarshan Kilania        |
| 15                | B17CE025 | Vivid Markstar Mawlein   |
| 16                | B17CE026 | Saurabh Yadav            |
| 17                | B17CE027 | Mohit Kumar              |
| 18                | B17CE028 | Priyesh Singh            |
| 19                | B17CE029 | Shashank Chaudhary       |
| 20                | B17CE030 | Aman Raj                 |
| 21                | B17CE031 | Saurav Dayal             |
| 22                | B17CE033 | Mohammed Y.Z.M. Rafad    |

| Computer Science and Engineering |          |                               |
|----------------------------------|----------|-------------------------------|
| No.                              | Roll No. | Name                          |
| 23                               | B17CS001 | Heplang Ronghang              |
| 24                               | B17CS002 | Anamika Choudhury             |
| 25                               | B17CS003 | Ibashisha Amanda Marbaniang   |
| 26                               | B17CS007 | Damiki Laloo                  |
| 27                               | B17CS008 | Arwatki Chen Lyngdoh          |
| 28                               | B17CS010 | Chinmoy Deka                  |
| 29                               | B17CS011 | Sanchiano Suja                |
| 30                               | B17CS014 | Bankerlang Kharryngki         |
| 31                               | B17CS015 | Hemant Narayan Yadav          |
| 32                               | B17CS016 | Akash Kumar Panda             |
| 33                               | B17CS017 | Davien Magdiel Syiemlieh      |
| 34                               | B17CS018 | Sanapala Rajesh               |
| 35                               | B17CS019 | Pyare Mohan                   |
| 36                               | B17CS020 | Mrityunjay Tripathi           |
| 37                               | B17CS021 | Kieffer Herschberger Khongsit |
| 38                               | B17CS022 | Gabriel Satwik Manikonda      |
| 39                               | B17CS023 | Chandan                       |
| 40                               | B17CS024 | Prince Kumar Singh            |
| 41                               | B17CS027 | Vishal Ramsevak Jaiswar       |
| 42                               | B17CS029 | Rommel Chakravarty            |
| 43                               | B17CS030 | Anandam L N S B Sai Lohit     |
| 44                               | B17CS031 | Allu V Babu                   |

|    |          |                       |
|----|----------|-----------------------|
| 45 | B17CS032 | Vikas Nishad          |
| 46 | B17CS033 | Siddharth Mohan Singh |
| 47 | B17CS034 | Tonoy Podder          |
| 48 | B17CS036 | Jaswant Arya          |
| 49 | B14CS016 | Mandeep Kumar         |
| 50 | B15CS024 | Martha Annamaiah      |
| 51 | B16CS011 | Sangita Saha          |

| Electronics and Communication Engineering |          |                                |
|---|----------|--------------------------------|
| No.                                       | Roll No. | Name                           |
| 52  | B17EC002 | Pynbiangborlang Lyngwa Rapthap |
| 53  | B17EC003 | Shubangi Barua                 |
| 54  | B17EC005 | Banpynskhem Nongsiej           |
| 55  | B17EC006 | Serene Eden Lisam Pariat       |
| 56  | B17EC007 | Caldinus Nongrang              |
| 57  | B17EC008 | Barishisha Kharmynthon         |
| 58  | B17EC010 | Ilasukri Kharshandi            |
| 59  | B17EC011 | Chirag Roy                     |
| 60  | B17EC012 | Amandeep Sinha                 |
| 61  | B17EC014 | Sourav Paul                    |
| 62  | B17EC017 | Sabbavarapu Hemanth Kumar      |
| 63  | B17EC019 | Ujjwal Kumar                   |
| 64  | B17EC020 | Bhukya Saikumar                |
| 65  | B17EC024 | Astha Awasthi                  |
| 66  | B17EC025 | Ngamla Rangnamei               |
| 67  | B17EC026 | Ravi Raj                       |
| 68  | B17EC027 | Ratnesh Kumar Tiwary           |
| 69  | B17EC028 | Shashi Ranjan                  |
| 70  | B17EC029 | Rohit Raj                      |
| 71  | B17EC030 | Mithun Kumar                   |
| 72  | B17EC032 | Vikalp Kaushik                 |
| 73  | B17EC035 | Sakshay Kedia                  |
| 74  | B17EC036 | Kagaba Dennis                  |

| Electrical and Electronics Engineering |          |                              |
|--|----------|------------------------------|
| No.                                    | Roll No. | Name                         |
| 75                                     | B17EE002 | Winnie Dkhar                 |
| 76                                     | B17EE003 | Rudyworldstar Warbah         |
| 77                                     | B17EE004 | Parabud Wanki Sungoh         |
| 78                                     | B17EE005 | Maurizio Leon Delano Shadap  |
| 79                                     | B17EE006 | L Lakyntiew Dohtdong         |
| 80                                     | B17EE009 | Pardip Dowrah                |
| 81                                     | B17EE012 | Garreth Wahlang              |
| 82                                     | B17EE013 | Stadpyrkhat Lyngkhoi         |
| 83                                     | B17EE015 | Suraj Kumar                  |
| 84                                     | B17EE018 | Naman Satyavana              |
| 85                                     | B17EE019 | Rishabh Jaiswal              |
| 86                                     | B17EE020 | Nathaneal Gympad             |
| 87                                     | B17EE024 | Muhudugamuwa G.N.D Weerathna |
| 88                                     | B17EE025 | Md Imdadul Islam             |
| 89                                     | B17EE026 | Himanshu Raj                 |
| 90                                     | B17EE027 | Priye Ranjan Kumar           |
| 91                                     | B17EE029 | Akash Kumar Singh            |
| 92                                     | B17EE030 | Shrey Kumar                  |
| 93                                     | B17EE031 | Kaustubh Kishore             |
| 94                                     | B17EE032 | Gaurav Gupta                 |
| 95                                     | B17EE033 | Emmanuel Vemuri              |
| 96                                     | B17EE034 | Kham muan lian               |
| 97                                     | B17EE035 | Aman Kumar                   |
| 98                                     | B17EE036 | Divyesh Srivastava           |
| 99                                     | B17EE037 | Md Ifthakhar Mahmud Tonmoy   |
| 100                                    | B17EE038 | Neeraj Chauhan               |

| Mechanical Engineering |          |                      |
|------------------------|----------|----------------------|
| No.                    | Roll No. | Name                 |
| 101                    | B17ME003 | Neiporwotmi Laloo    |
| 102                    | B17ME005 | Michelle Mukhim      |
| 103                    | B17ME008 | Fairlando Marbaniang |
| 104                    | B17ME009 | Pynkitbor Kharbani   |
| 105                    | B17ME010 | Vivek Singh Chauhan  |
| 106                    | B17ME011 | Sagar Das            |
| 107                    | B17ME012 | Prasenjit Dey        |
| 108                    | B17ME013 | Dhananjoy Maji       |
| 109                    | B17ME014 | Shubham Chang        |
| 110                    | B17ME016 | Chetyanand Nigotia   |
| 111                    | B17ME017 | Porhi Kyndiah        |
| 112                    | B17ME018 | Shivam Sharma        |
| 113                    | B17ME019 | Rajendra Meena       |
| 114                    | B17ME020 | Eugynea Shylla       |
| 115                    | B17ME021 | Hanna Daphi Dkhar    |
| 116                    | B17ME023 | Vishal Kumar         |
| 117                    | B17ME024 | Sidharth Agarwal     |
| 118                    | B17ME026 | Sushant Kumar        |
| 119                    | B17ME028 | Prem Kumar           |
| 120                    | B17ME029 | Kishan Lal           |
| 121                    | B17ME030 | Prithul Datta        |
| 122                    | B17ME031 | Shafin Shahril Kabir |
| 123                    | B16ME010 | Harendra Kumar       |
| 124                    | B16ME014 | Baiateilang Marwein  |

**List of 37 M. Tech Students Eligible for Award of Degree**

| Civil Engineering (Structural Engineering) |          |                                   |
|--|----------|-----------------------------------|
| No.  | Roll No. | Name                              |
| 1  | T19CE001 | Mahesh N                          |
| 2  | T19CE002 | Rupam Biswas                      |
| 3  | T19CE003 | Tejaskriya Pradhan                |
| 4  | T19CE004 | Gali Vamsi Krishna                |
| 5  | T19CE005 | Haripad Mahto                     |
| 6  | T19CE006 | Teiborlang Warjri                 |
| 7  | T19CE007 | Donkumar Francis Marbaniang       |
| 8  | T19CE008 | Ambrose Lalremruata               |
| 9  | T19CE010 | Prasoon Gandhi                    |
| 10   | T19CE011 | Aswanth K                         |
| 11   | T19CE012 | Anjali Kumari Pravin Kumar Pandey |
| 12   | T19CE013 | Syed Bustan Fatima Warsi          |
| 13   | T19CE014 | Sandip Basak                      |
| 14   | T19CE016 | Abhishek Chand                    |

| Computer Science and Engineering                                      |          |                            |
|---|----------|----------------------------|
| No.   | Roll No. | Name                       |
| 15  | T19CS001 | Arjun Panicker             |
| 16  | T19CS002 | Nurul Amin Choudhury       |
| 17  | T19CS003 | Koushik Mondal             |
| 18  | T19CS004 | Pranab Das                 |
| 19  | T19CS006 | K Gagan Kumar              |
| 20  | T19CS007 | Nikita Agarwal             |
| 21  | T19CS008 | Dipankar Das               |
| 22  | T19CS010 | Shiv Shakti                |
| 23  | T19CS011 | Tajebe Tsega Mengistie     |
| Electronics and Communication Engineering (VLSI and Embedded Systems) |          |                            |
| No.   | Roll No. | Name                       |
| 24  | T19EC005 | Valle Hemanth              |
| 25  | T19EC006 | Vedanshu Kuwal             |
| 26  | T19EC007 | Manolina Saha              |
| 27  | T19EC009 | Sudesna Manjari Mahanta    |
| 28  | T19EC010 | Harish Garampalle          |
| Electrical Engineering (Power and Energy Systems)                     |          |                            |
| No.   | Roll No. | Name                       |
| 29  | T19EE004 | Edapha Rhema Jones Chullai |
| 30  | T19EE006 | Edi Sankararao             |
| 31  | T19EE007 | Piklu Das                  |
| 32  | T19EE008 | Sai Lakshmi Chukkaluru     |
| Mechanical Engineering (Fluids and Thermal Engineering)               |          |                            |
| No.   | Roll No. | Name                       |
| 33  | T19ME001 | Ajay Pawar                 |
| 34  | T19ME002 | Aditya Ranjan              |
| 35  | T19ME003 | Pinjari Hussain Peera      |
| 36  | T19ME004 | Bhargav Saikia             |
| 37  | T19ME005 | Manas Kumar Mondal         |

**List of 32 M. Sc Students Eligible for Award of Degree**

| Chemistry |          |                          |
|-----------|----------|--------------------------|
| No.       | Roll No. | Name                     |
| 1         | S19CH001 | Netra Prova Baruah       |
| 2         | S19CH002 | Plabon Saikia            |
| 3         | S19CH003 | Junali Devi              |
| 4         | S19CH005 | Priya Gurung             |
| 5         | S19CH006 | Bhabani Shankar Nayak    |
| 6         | S19CH007 | Maitjingshai Khardewsaw  |
| 7         | S19CH008 | Ameen K                  |
| 8         | S19CH009 | Abhishek Kumar Kasaudhan |
| 9         | S19CH010 | Deepthy Devassy          |

| 10                 | S19CH011 | Archita Goswami            |
|--------------------|----------|----------------------------|
| 11                 | S19CH012 | Thaha Ramees PP            |
| 12                 | S19CH013 | Pranjana Saikia            |
| 13                 | S19CH014 | Sony Moni Das              |
| 14                 | S19CH015 | Vivek Chamlagain           |
| 15                 | S19CH016 | Prasitaditya Kuri          |
| <b>Mathematics</b> |          |                            |
| No.                | Roll No. | Name                       |
| 16                 | S19MA001 | Utkarsh Garg               |
| 17                 | S19MA002 | Banrisuk Suting            |
| 18                 | S19MA003 | Darshit Hasmukhbhai Goyani |
| 19                 | S19MA004 | Manisha Giri               |
| 20                 | S19MA005 | Anurag Tomar               |
| 21                 | S19MA006 | M. Chelseaya               |
| 22                 | S19MA007 | Achint Kumar Mishra        |
| 23                 | S19MA008 | Shashikant Pandey          |
| <b>Physics</b>     |          |                            |
| No.                | Roll No. | Name                       |
| 24                 | S19PH001 | Vivekanand Mohapatra       |
| 25                 | S19PH002 | Hemanta Upadhya            |
| 26                 | S19PH003 | Arun Kumar Deka            |
| 27                 | S19PH005 | Pranjala Mazumder          |
| 28                 | S19PH006 | Taniya Rabha               |
| 29                 | S19PH007 | Pallabi Saha               |
| 30                 | S19PH008 | Anish Jaiswal              |
| 31                 | S19PH009 | Simakhi Borchetia          |
| 32                 | S19PH011 | Adrish Chakraborty         |
| 33                 | S19PH012 | Saikhom Bikash Singh       |
| 34                 | S19PH014 | Dhiraj Sarma               |

**List of 18 Ph. D Scholars Eligible for Award of Degree**

| Sl.No. | Roll No. | Name             | De pt. | Thesis Title  | Supervisor                            | Co-Supervisor | Indian Examiner   | Foreign Examiner  | Admission date | Oral Defence Date |
|--------|----------|------------------|--------|---|---------------------------------------|---------------|---|---|----------------|-------------------|
| 1      | P15EE001 | Swarnankur Ghosh | EE     | Modeling and Analysis of UG Cable containing Multiple Semiconductor Screens | Dr. Supriyo Das<br>Asst Prof, EE Dept | NA            | Dr. Abhijit Chakrabarti, Professor, Department of Electrical Engineering, IEST, Shibpur, Howrah, West Bengal. | Dr. B. Toan Phung, School of Electrical Engineering and Telecommunication, University of New South Wales, Sydney, Australia | 16/01/15       | 15/12/20          |

|   |          |                           |    |  |   |    |  |  |          |          |
|---|----------|---------------------------|----|--|---|----|--|--|----------|----------|
| 2 | P15HS001 | Rangebok Lyngwa           | HS | The Dynamics of Oppression and Resistance in Select Plays of Vijay Tendulkar   | Dr. Paonam Sudeep Mangang<br>Assoc Prof, HS Dept. | NA | Prof. Simi Malhotra, Dept of English, Jamia Millia Islamia, New Delhi  | Dr. Manuel Broncano, Regents Professor Of English, Department Of Humanities, Texas A&M International University, Laredo TX 78041, USA                              | 16/01/15 | 28/12/20 |
| 3 | P16EE001 | B Parusharam ulu          | EE | Islanding Detection and Control Scheme for Seamless Operation of AC Microgrid Systems  | Prof. Gayadhar Panda, Professor, EE Dept          | NA | Dr Prabodh Bajpai, Department of Electrical Engineering, & School of Energy Science and Engineering, IIT Kharagpur | Dr. Mohammad Amin, Associate Professor, Department of Electric Power Engineering , Norwegian University of Science and Technology, Trondheim, Norway               | 25/07/16 | 10/03/21 |
| 4 | P16ME002 | Mridusmita Roy Choudhury  | ME | Experimental Investigation of Single-Lap Joint Strength of Green Composites Joined by Different Techniques   | Dr. Kishore Debnath<br>Asst Prof, ME Dept         | NA | Professor Alok Satapathy, Department of Mechanical Engineering, National Institute of Technology Rourkela.         | Professor J. Paulo Davim, Department of Mechanical Engineering, University of Aveiro, Aveiro, Portugal.  | 18/01/16 | 12/03/21 |
| 5 | P16CH001 | Sourav Das                | CY | An investigation into the interactions of dietary polyphenols with the biological targets: Binding properties and the inhibitory potential of the polyphenols towards protein modification | Dr. Atanu Singha Roy<br>Asst Prof, CY Dept        | NA | Professor Shashank Deep, Department of Chemistry, IIT Delhi.   | Dr. Digambara Patra, Department of Chemistry, American University of Beirut, Lebanon   | 25/07/16 | 15/03/21 |
| 6 | P17EC001 | Telajala Venkata Mahendra | EC | Precharge Free Content Addressable Memory: Binary and Ternary  | Dr. Anup Dandapat<br>Assoc Prof, EC Dept          | NA | Prof. Sudeb Dasgupta, HoD, Department of Electronics and Communication Engineering, IIT Roorkee                    | Dr Patrick Girard, Laboratory of Computer Science, Robotics and Microelectronics of Montpellier (LIRMM), University of Montpellier/CNRS, 34095 Montpellier, France | 18/07/17 | 17/03/21 |
| 7 | P16EC001 | Rekib Uddin Ahmed         | EC | Design and Analysis of Computational Circuits using Multi-Gate Nanoscale Device  | Dr. Prabir Kumar Saha<br>Asst Prof, EC Dept       | NA | Prof. Sudeb Dasgupta, HoD, Department of Electronics and Communication Engineering, IIT Roorkee.                   | Prof. Keshab K. Parhi, Professor, Dept. Electrical & Computer Eng., University of Minnesota, Minneapolis, MN USA   | 14/01/16 | 12/04/21 |



|    |          |                     |    |  |  |  |   |  |          |          |
|----|----------|---------------------|----|--|--|--|---|--|----------|----------|
| 8  | P16EC004 | Shashi Kumar        | EC | A study on design and implementation of CMOS-MEMS integrated piezoresistive pressure sensors                                   | Dr. Pradeep Kumar Rathore<br>Asst Prof,<br>EC Dept | NA                                       | Prof. Siddhartha Sen, Department of Electrical Engineering, IIT Kharagpur                       | Prof. Toshiyuki Tsuchiya<br>Department of Micro Engineering Graduate School of Engineering, Kyoto University, Japan                                      | 29/07/16 | 07/04/21 |
| 9  | P16EC002 | Baldev Swamy        | EC | Development of High Performance Stream Processing Hardware Architectures for Deblocking Filter in High Efficiency Video Coding | Dr. P. Rangababu<br>Asst Prof,<br>EC Dept          | NA                                       | Dr. Kailash Chandra Ray, Assoc Professor, Electrical Engineering Dept, IIT Patna                | Prof. Tokunbo Ogunfunmi, Dept. of Electrical and Computer Engineering, Santa Clara University, Santa Clara, California, USA.                             | 12/01/16 | 16/07/21 |
| 10 | P16CH003 | Namrata Deka        | CY | Investigating Porous Organic Polymers-Derived Heteroatom-Doped Carbons for Energy Storage and Electrochemical Applications     | Dr. Gitish K. Dutta<br>Assoc Prof,<br>CY Dept      | NA                                       | Prof C. Retna Raj, Professor, Department of Chemistry, IIT Kharagpur                            | Professor Hyung Wook Park, School of Mechanical and Nuclear Engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Korea.       | 25/07/16 | 19/07/21 |
| 11 | P18EE002 | Hari Charan Nannam  | EE | Development and Analysis of Control Strategies for Split Source Inverters in the Grid-Tied Renewable Energy Systems            | Dr. Atanu Banerjee<br>Assoc Prof,<br>EE Dept       | NA                                       | Professor Debapriya Das, Department of Electrical Engineering, IIT Kharagpur.                   | Professor Ho Ching IU, Dept. of Electrical, Electronic and Computer, University of Western Australia, Perth, Australia.                                  | 19/07/18 | 21/07/21 |
| 12 | P16ME005 | Hrishikesh Dutta    | ME | Electrical-Discharge Machining of Carbon Fiber-Reinforced Polymer Composites   | Dr. Kishore Debnath<br>Asst Prof,<br>ME Dept       | Dr. Deba Kr Sarma<br>Assoc Prof, ME Dept | Dr. Siba Sankar Mahapatra, Professor (HAG), Department of Mechanical Engineering, NIT Rourkela. | Dr. Nageswara Rao Posinasetti, Professor, Department of Technology, University of Northern Iowa, Cedar Falls   | 25/07/16 | 29/07/21 |
| 13 | P17CS004 | Mir Wajahat Hussain | CS | Performance Optimization Strategies for Big-Data Applications in Distributed Framework   | Dr. Diptendu Sinha Roy<br>Assoc Prof,<br>CS Dept   | NA                                       | Prof. Pradip Kumar Das, Professor, CSE Dept, IIT Guwahati.                                      | Prof. Saraju P. Mohanty, Computer Science & Engineering, University of North Texas, USA  | 25/07/17 | 06/08/21 |
| 14 | P16EC003 | Anirban Dutta       | EC | Building Robust Acoustic Models for an Automatic Speech Recognition System   | Dr. Ch. V. Rama Rao<br>Asst Prof,<br>CY Dept       | NA                                       | Prof. Arun Kumar, Professor, Centre for Applied Research in Electronics, IIT. Delhi             | Prof Wenwu Wang, Professor Centre for Vision Speech and Signal Processing, Department of Electrical and Electronic Engineering, University of Surrey, UK | 18/01/16 | 07/08/21 |

|    |          |                       |     |   |  |  |   |   |          |          |
|----|----------|-----------------------|-----|---|--|--|---|---|----------|----------|
| 15 | P15ME03  | Subhasish Das         | M E | Investigation into the Combustion Behaviour of a Single-Cylinder Diesel Engine with Porous Media in Piston Bowl     | Dr. Biplab K. Debnath, Asst Prof, ME Dept        | Dr. Rajat Subhra Das, Asst Prof, ME Dept | Prof. S. Murugan, Professor Department of Mechanical Engineering, NIT Rourkela. | Dr. Muhammad Abdul Mujeebu, Assoc Prof, Department of Building Engineering, College of Architecture and Planning, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia. | 16/01/15 | 07/09/21 |
| 16 | P16CH04  | Dipankar Paul         | CY  | Exploring the lability of electron-rich aryl groups in benzylic and allylic systems for selective C–C bond cleavage | Dr. Paresh Nath Chatterjee, Assoc. Prof, CY Dept | NA                                       | Dr. Debabrata Maiti, Associate Professor, Department of Chemistry, IIT Bombay.  | Professor Nan Zheng, Department of Chemistry and Biochemistry, University of Arkansas, Fayetteville, AR USA   | 25/07/16 | 10/09/21 |
| 17 | P17PH003 | Deepak Gupta          | PH  | Computational, Dielectric and Electro-optic Studies of Antiferroelectric Liquid Crystals                            | Prof. Ayon Bhattacharjee, Professor, PH Dept     | NA                                       | Prof Alok Sinha, Professor, Department of Physics, IIT Delhi.                   | Prof. Linda S. Hirst, Dept of Physics, University of California, Merced, CA, USA  | 18/07/17 | 15/09/21 |
| 18 | P17EE002 | Kaibalya Prasad Panda | EE  | Development of Reduced Switch Multilevel Inverters for Renewable Energy Application                                 | Prof. Gayadhar Panda, Professor, EE Dept         | NA                                       | Prof. Pramod Agarwal, Department of Electrical Engineering, IIT Roorkee.        | Dr. Sze Sing Lee, Assistant Professor, Newcastle University in Singapore (NUS), SIT Building, Nanyang Polytechnic, Singapore.   | 18/07/17 | 15/09/21 |

The Senate went through the list of eligible students and recommended the candidates to the Board of Governors for the award of degrees in the 8<sup>th</sup> Convocation. Further, it was also authorised to the Chairman, Senate to take the decision on additional Ph.D scholars eligible for the award of degree, if any, before the upcoming 8<sup>th</sup> Convocation of the Institute scheduled to be held on 1<sup>st</sup> Oct 2021.

**R3/SENATE-XXVI/21: The Senate Resolved to Recommend the list of 124 B. Tech students, 37 M. Tech students, 34 M. Sc students and 18 Ph.D scholars who have completed the requirements of the Programme during June-Sep, 2021, to the Board of Governors for approval to award degree to the candidates in the 8th Convocation of the Institute. The Senate also authorized the Chairman, Senate to take the decision on additional Ph.D scholars eligible for the award of degree, if any, before the upcoming Convocation of the Institute.**

**Item No.4: List of Medal Recipients (President Gold, Institute Gold and Silver Medals) to be felicitated in the 8th Virtual Convocation.**

**i) President Gold Medal:**

The Senate was apprised that as per the regulations of the Institute on “Award of Medals”, the President Gold Medal is awarded to the student adjudged best on overall performance in respect of academic and co/extracurricular activities across the program.

The Selection Committee chaired by Dean (SW) screened the applications received from eligible students and Mr. Jaswant Arya, Roll No. B17CS036, from the Department of Computer Science and Engineering was recommended for the award of President Gold Medal.

The Senate appreciated the performance of the student and resolved to recommend to the Board of Governors for the award of President Gold Medal.

**R4(i)/SENATE-XXVI/21: The Senate Resolved to Recommend the above nomination to the Board of Governors for approval to award the President Gold Medal to the candidate in the 8th Convocation of the Institute.**

**ii) Institute Gold Medal:**

The Senate was apprised that as per the regulations of the Institute on “Award of Medals”, the Institute Gold Medals are awarded to the batch toppers of each programme based on the highest CGPA secured among the eligible candidates in his/her batch as furnished below:

**List of Awardees for Institute Gold Medal 2021**

| <b>Bachelor of Technology</b> |                |                   |                |                         |             |
|-------------------------------|----------------|-------------------|----------------|-------------------------|-------------|
| <b>Sl. No</b>                 | <b>Session</b> | <b>Discipline</b> | <b>Roll No</b> | <b>Name of Students</b> | <b>CGPA</b> |
| 1                             | 2017-21        | CE                | B17CE009       | Aditya Tarafdar         | 9.83        |
| <b>Master of Technology</b>   |                |                   |                |                         |             |
| 1                             | 2019-21        | CS                | T19CS001       | Arjun Panicker          | 9.95        |
| <b>Master of Science</b>      |                |                   |                |                         |             |
| 1                             | 2019-21        | CY                | S19CH011       | Archita Goswami         | 9.78        |

The Senate appreciated the performance of the students and resolved to recommend the nominations of the above named students to the Board of Governors for award of Institute Gold Medals.

**R4(ii)/SENATE-XXVI/21: The Senate Resolved to Recommend the nominations of the above named students to the Board of Governors for approval to award the Institute Gold Medals in the 8th Convocation of the Institute.**

**iii) Institute Silver Medal:**

The Senate was briefed that as per the regulations of the Institute on “Award of Medals”, the Institute Silver Medals are awarded to branch topper of each discipline of each programme based on the highest CGPA secured among the eligible candidates in his/her branch as furnished below:

**List of Awardees for Institute Silver Medal 2021**

| Bachelor of Technology |         |            |          |                            |      |
|------------------------|---------|------------|----------|----------------------------|------|
| Sl. No                 | Session | Discipline | Roll No  | Name                       | CGPA |
| 1                      | 2017-21 | CE         | B17CE009 | Aditya Tarafdar            | 9.83 |
| 2                      |         | CS         | B17CS016 | Akash Kumar Panda          | 9.39 |
| 3                      |         | EC         | B17EC014 | Sourav Paul                | 9.65 |
| 4                      |         | EE         | B17EE009 | Pardip Dowrah              | 9.39 |
| 5                      |         | ME         | B17ME024 | Sidharth Agarwal           | 9.62 |
| Master of Technology   |         |            |          |                            |      |
| 1                      | 2019-21 | CE         | T19CE013 | Syed Bustan Fatima Warsi   | 9.75 |
| 2                      |         | CS         | T19CS001 | Arjun Panicker             | 9.95 |
| 3                      |         | EC         | T19EC007 | Manolina Saha              | 9.57 |
| 4                      |         | EE         | T19EE006 | Edi Sankararao             | 9.31 |
| 5                      |         | ME         | T19ME001 | Pawar Ajay                 | 9.56 |
| Master of Science      |         |            |          |                            |      |
| 1                      | 2019-21 | CY         | S19CH011 | Archita Goswami            | 9.78 |
| 2                      |         | MA         | S19MA003 | Darshit Hasmukhbhai Goyani | 8.46 |
| 3                      |         | PH         | S19PH007 | Pallabi Saha               | 9.35 |

The Senate appreciated the performance of the students and resolved to recommend the nominations of the above named students to the Board of Governors for award of Institute Silver Medals.

**R4(iii)/SENATE-XXVI/21: The Senate Resolved to Recommend the nominations of the above named students to the Board of Governors for approval to award the Institute Silver Medals in the 8th Convocation of the Institute.**

**Item No.5: Conferring of Honorary Ph.D Degrees in the 8th Convocation of the Institute.**

The Senate was briefed that a Committee was constituted to explore the possibilities of conferring Honorary Degrees to eminent personalities in the field of Science, Technology, Literature, Arts, Cultural, etc, with proven track record at the North-East as well as at the National level. The recommendations of the Committee along with the curriculum vitae of the following eminent personalities were placed before the Senate for appropriate decision to Confer Honorary Degrees in the 8th Convocation of the Institute to be held on 1st October, 2021.

- 1) Prof. D.N. Buragohain, Emeritus Professor, IIT Guwahati
- 2) Mr. Neil Herbert Nongkynrih, Renowned Musician, Padma Shri Awardee 2015

The Senate deliberated on the nominations of the Committee and mentioned that the two nominations are highly worthy of Honorary Degree. The Senate thus resolved to recommend the nominations to the Board of Governors for Conferring Honorary Degrees to the above mentioned eminent personalities in the 8th Convocation of the Institute

**R5/SENATE-XXVI/21: The Senate Resolved to Recommend the above two nominations to the Board of Governors for approval to confer Honorary Degrees in the 8th Convocation of the Institute.**

**Item No.6: Amendment in Post-Doctoral Programme Modality**

The Senate was briefed that the guidelines for the Post Doctoral Fellowship (PDF) Scheme at NIT Meghalaya was approved by the Senate in its XXth Meeting held on 16<sup>th</sup> Dec 2019 vide resolution Number R3/SENATE-XX/21. Applications were invited from eligible candidates for Autumn 2021 Semester. However, during screening it was observed that the guidelines needed to be revised from various aspects. In this context, few modifications were proposed in the existing Post Doc. Modality, which was presented before the Senate.

The Senate discussed the matter at length and recommended few points for inclusion/revision. It further authorized the Chairman, Senate to approve the revised modality.

**R6/SENATE-XXVI/21: The Senate Resolved to Recommend the proposed modifications in the existing modality of the Post-Doctoral Programme as presented and also suggested few more points for inclusion/revision. It was also further authorized to the Chairman, Senate for approval of the revised modality on incorporating the corrections/modifications as suggested.**

**Item No. 7: Proposal for Amendments in the Regulations**

**a) UG/PG Programme:**

The following proposals for amendment/replacement of existing norm under the UG/PG Programme were presented before the Senate:

**i) Refund of Caution Deposit**

- i. Refund of caution money shall be made to a student only after completion of his/ her programme and upon submission of prescribed forms. Refund of caution money shall be made against application in the prescribed form and on production of the Release Order.
- ii. The claim for refund of caution money shall be entertained only after the Convocation but within **06 (six) months** from the date of the Convocation, failing which, the caution deposit amount will be forfeited.
- iii. The caution money shall not be refunded if a student leaves the programme prematurely or did not join or attend any class after admission.

The Senate deliberated on the above points and approved the amendments after suggesting changing point ii. as *"The claim for refund of caution money shall be entertained only after the Convocation but within **6 months** from the date of the Convocation, failing which, the caution deposit amount will be forfeited."*

**R7a(i)/SENATE-XXVI/21: The Senate Resolved to Approve the amendment on the refund of caution deposit after incorporating the change of 3 months to 6 months and as per the above mentioned points (i) to (iii).**

## ii) Lab Attendance

**Minimum attendance requirement:** A student shall be required to maintain a minimum attendance for the theory courses as follows:

| Course Credit   | Max no of classes | Lower limit of missed classes allowed (25%, under normal cases) | Upper limit of missed classes allowed (40%, under medical ground) |
|-----------------|-------------------|---|---|
| 4 credit course | 48                | 12  | 19  |
| 3 credit course | 36                | 9   | 14  |
| 2 credit course | 24                | 6   | 10  |

- A student failing to attain the minimum attendance shall not be allowed to appear in the end-term examination and shall be awarded “W” grade in that course. It shall be the responsibility of a student to ensure that his/her attendance requirement does not fall short of the minimum. Condonation of attendance shall be followed as per the regulations.
- In Lab courses, a student must perform minimum 7 numbers of experiments and must attend the quiz for the grade award to the corresponding lab. In case, the student fails to perform any experiment on the stipulated time schedule of class routine, he/she must perform the experiment at any other time with the consent of corresponding course instructor during the same semester period.

The Senate deliberated on the above mentioned points and suggested that attendance should be monitored for Lab classes in the similar manner as done for Theory classes. A student **must attain minimum 75% attendance in the lab classes failing which grades would not be awarded.** The Dean (SW) was requested to propose a detailed guideline for medical emergencies and present the same to the Chairman Senate for approval.

**R7a(ii)/SENATE-XXVI/21: The Senate Resolved to Approve the amendment on Lab attendance as proposed after incorporation of the above suggestions.**

## iii) Replacement of Academic Probation Committee by Faculty Advisors

- **The Faculty Advisors** shall monitor the status of the students of the department under probation and provide counselling.
- The **Faculty Advisor** shall prepare a course registration plan (with reduced load per semester where necessary) for a student for his/her entire remaining duration of the programme once he/she enters probation. Afterwards, **the Faculty Advisor** shall monitor the progress of the student and make changes in the course registration plan as and when appropriate while the student is under probation. The student shall submit this plan containing changes, if any, to the Head of the Department every semester while under probation, within the last date for withdrawal of courses.

The Senate discussed on the above mentioned points and approved the same.

**R7a(iii)/SENATE-XXVI/21: The Senate Resolved to Approve the replacement of the Academic Probation Committee in the regulations of the Institute with Faculty Advisors.**

**b) Ph.D Programme**

The following proposals for amendment of existing norms under the Ph.D Programme were presented before the Senate as under:

**i) Allotment of Ph.D Scholars to a Faculty.**

- A faculty member shall have maximum 2 PhD students under him/her as principal supervisor/ sole supervisor from the Institute scholarship grant. Additionally one will be allowed to take sponsored scholar depending on the sponsored R&D projects.
- In addition to the above, a faculty (PI) who has a running/accepted sponsored research project(s) during the Ph.D admission will be allowed to take one more PhD scholar for every such project, under Institute scholarship.
- A faculty member can ideally supervise four (4) Sponsored (Part-Time) scholars as a principal/sole supervisor.
- A faculty who has already guided 3(three) or more PhD students as Principle/Sole Supervisor may be allowed to guide 1 (one) more Sponsored (Part-Time) PhD scholar preferably from an Industry or an R&D organization. However, on case-to-case basis, the number of scholars may be increased with prior approval of the Competent Authority up to a maximum of 6 Sponsored (Part-Time) scholars.

The Senate discussed on the above mentioned points and approved the same.

**R7b(i)/SENATE-XXVI/21: The Senate Resolved to Approve the amendment in allotment of Ph.D Scholars to a Faculty as proposed.**

**ii) Credit Exemption Guidelines under Ph.D Course Work**

- Any candidate having completed his/ her M. Tech/ M. Sc degree in relevant field within the preceding two years from the date of Ph.D admission may apply for the exemption of courses up to maximum 9 (Nine) credits which are not under compulsory courses. However, such scholars shall be required to give at least one seminar on the areas related to his/her area of research before DRC and upon recommendation by the DRC and subsequent approval of the Competent Authority, he/she shall be allowed for exemption of the credits during Ph.D course work. This process must be completed one semester prior to the submission of the Plan of research/Comprehensive Written Exam.
- Candidates who have carried out course works of equivalent standard in another Institute for a research programme within the preceding two years and if the courses done are relevant to the proposed work, he/ she may be allowed to transfer the credit.

The Senate discussed on the above mentioned points and approved the same. The Senate further suggested that matters related to operational activities/micro management may be decided at the Institute level once the regulation has been approved by the Senate.

**R7b(ii)/SENATE-XXVI/21: The Senate Resolved to Approve the amendment in credit exemption guidelines under Ph.D Course work as proposed.**

**iii) PhD Thesis Submission Guidelines upon Pre-Submission.**

- At least 15 days before the submission of the thesis, the scholar shall submit a Synopsis in the prescribed format (Form VIII-A) in not more than 1500 words – all in triplicates (hard copy as well as soft copy) and draft thesis – to the DRC through the Supervisor and give a pre-submission seminar on the research carried out by him/ her. The DC and the DRC shall go through the synopsis and thesis and suggest changes, if any, in the final form of the thesis. The scholar shall submit the synopsis and draft thesis along with the (Form-VIII B) through the DC to the Dean (Academic) for necessary action. Upon approval of the Competent Authority followed by a subsequent notification from the Academic Section, the scholar shall submit the Thesis within two months from the date of pre- submission.
- The following points shall be applicable for availing Institute Scholarship after pre-submission:
  1. If the Thesis is submitted during the semester, the scholarship will be extended till the date of Thesis submission.
  2. If the pre-submission seminar is conducted towards the end of the seminar and the scholar is likely to submit the Thesis in the beginning of the following semester, then the following guidelines with respect to Institute Scholarship shall imply:
    - a. The scholar may not register for the following semester. However, in such case, the Institute Scholarship shall be issued only up to the due date of the following semester registration.
    - b. If the scholar registers for the following semester, then he/she shall continue receiving Institute Scholarship till the date of Thesis submission.

The Senate discussed on the above mentioned points and approved the same

**R7b(iii)/SENATE-XXVI/21: The Senate Resolved to Approve the amendment in Ph.D Thesis submission guidelines upon pre-submission as proposed.**

**iv) Guidelines for JRF Applying for Ph.D Programme.**

Project Fellows working under different research projects at the Institute may be admitted to the Ph. D. Programme provided they satisfy the eligibility criteria with subject to the consent of the Principal Investigator of the project. They shall be considered as full time for the Ph.D. courses/research.” (Form III C). The minimum requirement of remaining project duration for admission into Ph.D Programme by him/her must be more than one and half years. However, the Institute scholarship will be extended only for a maximum duration of **one year**.

The Senate discussed on the above mentioned points and suggested to extend Institute Scholarship in such cases **for a period of 1.5 years** (instead of one year).

**R7b(iv)/SENATE-XXVI/21: The Senate Resolved to Approve the amendment in guidelines for JRF applying for Ph.D Programme after incorporation of the suggestion mentioned above.**



### **Item No. 8: For Inclusion in the Ph.D Regulations**

The Senate was apprised that with a view to motivate and encourage the Ph.D scholars and upon approval of the Competent Authority, an Office Memorandum vide ref. No. NITMGH/ES/NOT/Vol-IV/2019-20/1061 dated 23-08-2019 was notified, to provide financial support to the eligible Ph.D Scholars as under:

#### **Financial Support for Ph.D Scholars:**

**a) For Exemption of Ph.D Thesis Submission Fee:** Research scholars who are able to complete their thesis within 3.5 years of enrolment shall be exempted from payment of the thesis deposit fee.

**b) For Ph.D Scholars Publishing Minimum Three SCI Papers:** Research Scholars who can publish three SCI papers during their entire Ph.D period shall be sanctioned Rs. 10,000/- towards their contingency amount. The amount may be claimed as a reimbursement by submitting the bills along with the prescribed form.

The Senate discussed and appreciated the above steps introduced by the Institute for the Ph.D scholars and approved the same.

**R8/SENATE-XXVI/21: The Senate Resolved to Approve the inclusion of financial support for Ph.D scholars in the Ph.D regulations of the Institute.**

### **Item No. 9: Revised Result for the Courses EE351 & EE355, Autumn 2020**

The Senate was briefed that a student Mr. Bannangrijaijai Kharkongor (B18EE031) was not allowed to register for EE351 & EE355 during Autumn 2020. However, the student had been attending the online classes to gain some knowledge. In the process, due to some communication gaps, grades were awarded to the students by the course instructors in the above mentioned lab experiments even though he had not registered for the courses and accordingly the results were declared for the student along with the rest of the students. During Autumn 2021 Course Registration, the student registered for EE351 & EE355. The Senate was requested to approve allowing the student to register for the above courses in Autumn 2021 and to update the result declared in Autumn 2020 accordingly.

The Senate discussed on the above cited matter and finally approved to modify the results of EE351 & EE355 declared during Autumn 2020 with the new grades presented by the Department. The Senate also instructed to exercise caution in such matters.

**R9/SENATE-XXVI/21: The Senate Resolved to Approve the modifications in the results of EE351 & EE355 declared during Autumn 2020 with the new grades presented by the Department.**

### **Item No. 10: Minutes of XVIIIth APC Meeting held on 7th Sep, 2021**

The XVIIIth Meeting of the Academic Programmes Committee held on 7<sup>th</sup> Sep 2021 to discuss matters related to academic affairs was presented before the Senate for discussion and appropriate decisions. The Senate deliberated on the above mentioned recommendations of the APC and resolved to approve the proposals presented by the CE & PH Departments as under:

| Sl. No  | Agenda Item  |             |   |             |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
|---------|--|-------------|---|-------------|--------|---------|----------------|-------------|-------------|-------------|--------|--------------------------|--------|---|----|---|--------|----------------------|----|---|---------------------------|--------|--------------------------------------|----|---|--------|---|----|---|--------|-------------------------|----|---|--------|-------------------------|----|---|--------|----------------------|----|---|--------|--------------------------|----|---|--------|---|----|----|--------|---|----|----|----------------------------|--------|---------------------|----|----|--------|----------------|----|----|--------|-------------------|----|----|--------|------------------------------|----|----|--------|-----------------------|----|
| 1       | <p><b>Proposal from CE Dept:</b></p> <p><b>i) Proposed new courses (for PhD course work):</b><br/>It was proposed that for the new PhD students who have enrolled in Autumn 2021, some new courses were needed for completing their course work in the upcoming semester. As per discussion held with competent authority, it was suggested that the courses may be prepared at PG level. In this regard the following courses were proposed:</p> <table><tr><th>Sl. No.</th><th>Specialization</th><th>Course code</th><th>Course name</th><th>Course Type</th></tr><tr><td>1</td><td rowspan="2">Geotechnical Engineering</td><td>CE 563</td><td>Fundamentals of Geo-environmental Engineering</td><td>PE</td></tr><tr><td>2</td><td>CE 567</td><td>Landfill Engineering</td><td>PE</td></tr><tr><td>3</td><td rowspan="8">Environmental Engineering</td><td>CE 513</td><td>Solid and Hazardous Waste Management</td><td>PC</td></tr><tr><td>4</td><td>CE 515</td><td>Physico Chemical Processes in Environmental Engineering</td><td>PC</td></tr><tr><td>5</td><td>CE 579</td><td>Environmental Catalysis</td><td>PE</td></tr><tr><td>6</td><td>CE 514</td><td>Air and Noise Pollution</td><td>PC</td></tr><tr><td>7</td><td>CE 582</td><td>Air Quality Modeling</td><td>PE</td></tr><tr><td>8</td><td>CE 580</td><td>Environmental Management</td><td>PE</td></tr><tr><td>9</td><td>CE 584</td><td>Industrial Wastewater Pollution Control</td><td>PE</td></tr><tr><td>10</td><td>CE 581</td><td>Biological Process for Wastewater Treatment</td><td>PE</td></tr><tr><td>11</td><td rowspan="5">Transportation Engineering</td><td>CE 517</td><td>Traffic Engineering</td><td>PC</td></tr><tr><td>12</td><td>CE 587</td><td>Traffic Safety</td><td>PE</td></tr><tr><td>13</td><td>CE 518</td><td>Highway Materials</td><td>PC</td></tr><tr><td>14</td><td>CE 520</td><td>Pavement Design and Analysis</td><td>PC</td></tr><tr><td>15</td><td>CE 588</td><td>Sustainable Materials</td><td>PE</td></tr></table> <p><b>** PC: Professional Core; PE: Professional Elective</b></p> |             |   |             |        | Sl. No. | Specialization | Course code | Course name | Course Type | 1      | Geotechnical Engineering | CE 563 | Fundamentals of Geo-environmental Engineering | PE | 2 | CE 567 | Landfill Engineering | PE | 3 | Environmental Engineering | CE 513 | Solid and Hazardous Waste Management | PC | 4 | CE 515 | Physico Chemical Processes in Environmental Engineering | PC | 5 | CE 579 | Environmental Catalysis | PE | 6 | CE 514 | Air and Noise Pollution | PC | 7 | CE 582 | Air Quality Modeling | PE | 8 | CE 580 | Environmental Management | PE | 9 | CE 584 | Industrial Wastewater Pollution Control | PE | 10 | CE 581 | Biological Process for Wastewater Treatment | PE | 11 | Transportation Engineering | CE 517 | Traffic Engineering | PC | 12 | CE 587 | Traffic Safety | PE | 13 | CE 518 | Highway Materials | PC | 14 | CE 520 | Pavement Design and Analysis | PC | 15 | CE 588 | Sustainable Materials | PE |
| Sl. No. | Specialization   | Course code | Course name   | Course Type |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 1       | Geotechnical Engineering   | CE 563      | Fundamentals of Geo-environmental Engineering           | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 2       |  | CE 567      | Landfill Engineering                                    | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 3       | Environmental Engineering  | CE 513      | Solid and Hazardous Waste Management                    | PC          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 4       |  | CE 515      | Physico Chemical Processes in Environmental Engineering | PC          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 5       |  | CE 579      | Environmental Catalysis                                 | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 6       |  | CE 514      | Air and Noise Pollution                                 | PC          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 7       |  | CE 582      | Air Quality Modeling                                    | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 8       |  | CE 580      | Environmental Management                                | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 9       |  | CE 584      | Industrial Wastewater Pollution Control                 | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 10      |  | CE 581      | Biological Process for Wastewater Treatment             | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 11      | Transportation Engineering   | CE 517      | Traffic Engineering                                     | PC          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 12      |  | CE 587      | Traffic Safety  | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 13      |  | CE 518      | Highway Materials                                       | PC          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 14      |  | CE 520      | Pavement Design and Analysis                            | PC          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| 15      |  | CE 588      | Sustainable Materials                                   | PE          |        |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
|         | <p><b>R10.1(i)SENATE-XXVI/21: The Senate Resolved to Approve the recommendations of the APC in respect of too many courses which are proposed to be offered under a particular specialization and which may create a situation where very less students (or even one) may register for the course. In this aspect, the department may not be able to take the classes as per the time table and hence recommended that the scholars can be allowed to register for the courses in self-study mode or online mode via NPTEL, SWAYAM, MOOCs, etc.</b></p> <p><b>ii) Changes of Existing Course Code:</b></p> <p>It was proposed by the Department that for the specialization of Water resources engineering, the department already has pre-approved courses of credit (3:0:0-3) at PG level. Similarly, in the specialization of Geotechnical Engineering, a few courses were earlier approved and have been taken up by the Ph.D scholars of the department as their course work. Hence in order to have uniformity in the course codes, the following changes were proposed:</p> <table><tr><th>Sl. No</th><th>Specialization</th><th>Course name</th><th>Old code</th><th>New code</th><th>Course</th></tr></table>   |             |   |             |        | Sl. No  | Specialization | Course name | Old code    | New code    | Course |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |
| Sl. No  | Specialization   | Course name | Old code  | New code    | Course |         |                |             |             |             |        |                          |        |   |    |   |        |                      |    |   |                           |        |                                      |    |   |        |   |    |   |        |                         |    |   |        |                         |    |   |        |                      |    |   |        |                          |    |   |        |   |    |    |        |   |    |    |                            |        |                     |    |    |        |                |    |    |        |                   |    |    |        |                              |    |    |        |                       |    |

| <b>o.</b>   |                                   |  |        |        | <b>Typ</b> |
|---|-----------------------------------|--|--------|--------|------------|
| 1   | Water<br>Resources<br>Engineering | Surface Water Hydrology                                | CE 501 | CE 509 | PC         |
| 2   |                                   | Advanced Fluid Mechanics                               | CE 505 | CE 511 | PC         |
| 3   |                                   | Advanced Hydraulic Engineering                         | CE 502 | CE 510 | PC         |
| 4   |                                   | Optimization methods                                   | CE 516 | CE 572 | PE         |
| 5   |                                   | Computational Method in Water<br>Resources Engineering | CE 511 | CE 576 | PE         |
| 6   | Geotechnical<br>Engineering       | Site Investigation and Foundation<br>Design            | CE 532 | CE 505 | PC         |
| 7   |                                   | Slopes and Retaining Structures                        | CE 534 | CE 506 | PC         |
| 8   |                                   | Soil Dynamics and Earthquake<br>Engineering            | NA     | CE 508 | PC         |
| 9   |                                   | Advance Foundation Design                              | CE 519 | CE 564 | PE         |
| 10  |                                   | Soil Structure Interaction                             | CE 516 | CE 568 | PE         |
| ** PC: Professional Core; PE: Professional Elective |                                   |  |        |        |            |

**R10.1(ii)SENATE-XXVI/21: The Senate Resolved to Approve the change of existing course codes as proposed above by CE Department.**

**iii) Change of Course Codes for M.Tech in Structural Engineering**

It was proposed that in order to have uniformity in the course codes for all PG Level Curriculums and to accommodate various types of courses for different specialization of the department, the course codes of M.Tech in Structural Engineering may be revised. The revised course codes for Professional Elective Courses and Lab courses in Semester I and II were presented as under:

| SEMESTER I                   |          |                                      |             |               |   |   |        |               |  |
|------------------------------|----------|--------------------------------------|-------------|---------------|---|---|--------|---------------|--|
| Course Code                  |          | Course Name                          | Course Type | Contact Hours |   |   | Credit | Pre requisite |  |
| Existing                     | Proposed |                                      |             | L             | T | P | C      |               |  |
| Professional Core I & II     |          |                                      |             |               |   |   |        |               |  |
| CE 501                       | CE 501   | Advance Solid Mechanics              | PC          | 3             | 0 | 0 | 3      | None          |  |
| CE 503                       | CE 503   | Matrix Method of Structural Analysis | PC          | 3             | 0 | 0 | 3      | None          |  |
| MA 701                       | MA 701   | Advanced Engineering Mathematics     | M           | 3             | 0 | 0 | 3      | None          |  |
| Professional Elective I & II |          |                                      |             |               |   |   |        |               |  |
| CE 541                       | CE 555   | Dynamic of Structures                | PE          | 3             | 0 | 0 | 3      | None          |  |
| CE 515                       | CE 557   | Earthquake Engineering               | PE          | 3             | 0 | 0 | 3      | None          |  |
| CE 542                       | CE 559   | Advance Concrete Technology          | PE          | 3             | 0 | 0 | 3      | None          |  |
| CE 521                       | CE       | Numerical Analysis                   | PE          | 3             | 0 | 0 | 3      | None          |  |

|   |          |   |             |               |   |        |   |               |  |
|---|----------|---|-------------|---------------|---|--------|---|---------------|--|
|   |          | 561   |             |               |   |        |   |               |  |
| Lab Courses I, II & III   |          |   |             |               |   |        |   |               |  |
| CE 551  | CE 521   | Computational Lab                                     | L           | 0             | 0 | 2      | 1 | None          |  |
| CE 561  | CE 523   | Advanced Concrete Technology Lab                      | L           | 0             | 0 | 2      | 1 | None          |  |
| CE 555  | CE 525   | Soft Computing Lab-I                                  | L           | 0             | 0 | 2      | 1 | None          |  |
| Seminar & Technical report writing  |          |   |             |               |   |        |   |               |  |
| CE 505  | CE 551   | Seminar & Technical report writing                    | S           | 0             | 0 | 2      | 1 | None          |  |
| SEMESTER II   |          |   |             |               |   |        |   |               |  |
| Course Code   |          | Course Name   | Course Type | Contact Hours |   | Credit |   | Pre requisite |  |
| Existing  | Proposed |   |             | L             | T | P      | C |               |  |
| Professional Core III & IV  |          |   |             |               |   |        |   |               |  |
| CE 502  | CE 502   | Advance Structural Design                             | PC          | 3             | 0 | 0      | 3 | None          |  |
| CE 504  | CE 504   | Finite Element Method                                 | PC          | 3             | 0 | 0      | 3 | None          |  |
| Professional Elective III & IV  |          |   |             |               |   |        |   |               |  |
| CE 512  | CE 556   | Advance Steel and Concrete Composite Structure        | PE          | 3             | 0 | 0      | 3 | None          |  |
| CE 520  | CE 558   | Rehabilitation and Retrofitting of Concrete Structure | PE          | 3             | 0 | 0      | 3 | None          |  |
| CE 519  | CE 560   | Advance Foundation Design                             | PE          | 3             | 0 | 0      | 3 | None          |  |
| CE 518  | CE 562   | Theory of Plates and Shells                           | PE          | 3             | 0 | 0      | 3 | None          |  |
| Lab Courses I, II & III   |          |   |             |               |   |        |   |               |  |
| CE 552  | CE 522   | Advance Structural Design lab                         | L           | 0             | 0 | 2      | 1 | None          |  |
| CE 562  | CE 524   | Mechanics of Soil Lab                                 | L           | 0             | 0 | 2      | 1 | None          |  |
| CE 556  | CE 526   | Soft Computing Lab-II                                 | L           | 0             | 0 | 2      | 1 | None          |  |
| Seminar & Technical report writing  |          |   |             |               |   |        |   |               |  |
| CE 506  | CE 552   | Seminar & Technical report writing                    | S           | 0             | 0 | 2      | 1 | None          |  |
| Project   |          |   |             |               |   |        |   |               |  |
| CE 508  | CE 554   | Project Review  | P           | 0             | 0 | 4      | 2 | None          |  |
| R10.1(iii)SENATE-XXVI/21: The Senate Resolved to Approve the change of course codes for M. Tech in Structural Engineering as proposed by the CE Department. |          |   |             |               |   |        |   |               |  |

|   |   |
|---|---|
| 2 | <p><b>Proposal from PH Dept:</b></p> <p>i) Introduction of new Open Elective Course, PH 276, “Introduction to Astronomy and Astrophysics” for 3<sup>rd</sup> Sem B.Tech.</p> <p><b>R10.2(i)SENATE-XXVI/21: The Senate Resolved to Approve the introduction of a new Open Elective Course, PH 276, to be offered to the 3rd Semester UG students as proposed by PH Department.</b></p> <p>ii) Adding a new section “Potential and Fields” in the approved MSc Course, PH408, Applied Optics: As questions in various competitive exams are set from “Potential and Fields”, it is hence proposed to include the same in the existing syllabus of PH 408. The syllabi and the DAC minutes were presented before the Senate.</p> <p><b>R10.2(ii)SENATE-XXVI/21: The Senate Resolved to Approve the inclusion of a new section “Potential and Fields” in the approved MSc Course, PH408, Applied Optics, as proposed.</b></p> |
|---|---|

#### **Item No. 11: Senate Nominees for the Faculty Selection Committees**

The Senate was apprised that as per NITSER statutes, the respective Departments have to propose a list of members for Senate Nominee- one member (expert in relevant field) from reputed institutes to be a part of the department faculty selection committee in faculty recruitment. In this context, the Departments had updated the list of experts for Senate Nominee for the upcoming faculty selection process and the same was supposed to be presented before the Senate.

However, the Senate recommended that the list of nominees to the Faculty Selection Committees may be approved by the Chairman, Senate. It was also authorized to the Chairman for inclusion/ deletion of nominees as deemed fit and recommended to present the final list to the BoG for approval.

**R11/SENATE-XXVI/21: The Senate Resolved to Authorize the Chairman, Senate to finalize the list of Senate Nominees for the Faculty Selection Committees to present the final list to the BoG for approval.**

#### **Item No. 12: Senate Nominees to BoG**

The Senate was briefed about the completion of tenure of the previous Senate Nominees to the Board of Governors i.e. 1) Prof. G. Panda, Professor from EE Dept, NIT Meghalaya and 2) Dr. C. Marthong, Assoc. Prof, CE Dept, NIT Meghalaya on the 8<sup>th</sup> of September 2021. The Senate was therefore requested to nominate two new members, one Professor and one Asst. Professor/Associate Professor as the Senate Nominees to the BoG.

Firstly, the Senate acknowledged the outgoing members for their contributions and then recommended the following two faculty members as Senate Nominees to the BoG for a period of two years:

- 1) Professor Harish Chandra Das, ME Department, NIT Meghalaya.
- 2) Dr. Paresh Nath Chatterjee, Assoc. Prof, CY Department, NIT Meghalaya.

**R12/SENATE-XXVI/21: The Senate Resolved to Recommend the above mentioned Senate nominees to the BoG for a period of two years from the date of appointment.**

# **Items for Ratification**

**Item No.13: Academic Calendar, Autumn 2021 (for 1st Semester PG)**

The Senate was briefed about the Academic Calendar for Autumn 2021 (for 1<sup>st</sup> Semester PG) which was approved by the Chairman Senate.

**Autumn Semester, 2021 (1st Semester PG)**

|    |   |  |
|----|---|--|
| 1  | Admissions & Course Registration                                | Sep 06-20, 2021 (Mon to Mon)   |
| 2  | <b>Commencement of Classes</b>                                  | <b>Sept 21, 2021 (Tue)</b>   |
| 3  | Induction Programme for First Semester batches.                 | Sep 21-Oct 20, 2021 (Thr-Wed){ <i>through webinars during evening &amp; weekends</i> } |
| 4  | Annual Technical Festival (Cognitia)                            | Oct 1-4, 2021 (Fri-Mon)  |
| 5  | <b>Mid Term Examinations</b>                                    | <b>Nov 22-26, 2021 (Mon-Fri)</b>   |
| 6  | Mid Term Marks Entry & Display of Marks to the Students         | Nov 30, 2021 (Tue)   |
| 7  | <b>Winter Break for M. Sc/M.Tech</b>                            | <b>Dec 18, 2021- Jan 02, 2022 (Sat-Sun)</b>  |
| 8  | Last day of Classes & Display of Internal Marks to the Students | Jan 21, 2022 (Fri)   |
| 9  | Pre-Registration Counseling with Faculty Advisors               | Jan 20-21, 2022 (Thu-Fri)  |
| 10 | <b>End Term Examinations</b>                                    | <b>Jan 24- 28, 2022 (Mon-Fri)</b>  |
| 11 | <b>Commencement of Classes for Spring 2022</b>                  | <b>Jan 31, 2022 (Mon) {as per pre-registration counseling}</b>                         |
| 12 | Grades Submission by the HoDs                                   | Feb 02, 2022 (Wed)   |
| 13 | Result Analysis by PG-PEC                                       | Feb 04, 2022 (Fri)   |
| 14 | Declaration of Results  | Feb 08, 2022 (Tue)   |
| 15 | Course Registration for Spring 2022                             | Feb 09-10, 2022 (Wed-Thr)  |
| 16 | Last Date of Registration with Fine                             | Feb 11-17, 2022 (Fri-Thr)  |

**R13/SENATE-XXVI/21: The Senate Resolved to Ratify the Academic Calendar for Autumn 2021 (for PG 1st Semester) as presented.**

**Item No.14: Branch Change Report of B. Tech 2021**

The Senate was briefed that the Academic Section had received 47 applications during 2021 from the first year B.Tech students this year and the Branch Change Selection Committee scrutinized the applications as per the Institute norms and recommended the following list to Chairman, Senate for approval. The approved list in respect of new branch from Autumn 2021 was presented to the Senate as under:

| Sl. No. | Roll no  | Name                         | Current Branch | New Branch | New Roll No. |
|---------|----------|------------------------------|----------------|------------|--------------|
| 1       | B20ME010 | MashunchonVanyuinBou         | ME             | CE         | B20CE030     |
| 2       | B20EE013 | AfidafneyJyndiang            | EE             | CE         | B20CE031     |
| 3       | B20EE002 | Ansurchakma                  | EE             | CE         | B20CE032     |
| 4       | B20EC008 | Clarence BennetLyngdohTron   | EC             | CE         | B20CE033     |
| 5       | B20EE008 | MedonkumarKharaswai          | EE             | CE         | B20CE034     |
| 6       | B20EE016 | Reuel Newman Dkhar           | EE             | CE         | B20CE035     |
| 7       | B20EC005 | Akshat Jain                  | EC             | CS         | B20CS034     |
| 8       | B20EC022 | ManthapuramDhruva            | EC             | CS         | B20CS035     |
| 9       | B20EC015 | AmalShibu                    | EC             | CS         | B20CS036     |
| 10      | B20EE020 | Palak Gupta                  | EE             | EC         | B20EC029     |
| 11      | B20ME016 | Pulivarthi Olivia El Reka    | ME             | EC         | B20EC030     |
| 12      | B20EE023 | YashYadav                    | EE             | EC         | B20EC031     |
| 13      | B20ME019 | M Sandeep Kumar Gupta        | ME             | EC         | B20EC032     |
| 14      | B20ME025 | MallaCharan                  | ME             | EC         | B20EC033     |
| 15      | B20ME021 | Kunal Singh                  | ME             | EC         | B20EC034     |
| 16      | B20CE019 | DaraSai Kumar                | CE             | EC         | B20EC035     |
| 17      | B20ME027 | SwejalRahate                 | ME             | EC         | B20EC036     |
| 18      | B20CE028 | RyaliDurgaBhavani            | CE             | EC         | B20EC037     |
| 19      | B20EE028 | Samarth Verma                | EE             | EC         | B20EC038     |
| 20      | B20CE025 | Sridharshini B               | CE             | EC         | B20EC039     |
| 21      | B20EE025 | RupaKumari                   | EE             | EC         | B20EC040     |
| 22      | B20CE024 | AbhishekSaini                | CE             | EE         | B20EE030     |
| 23      | B20EC010 | ShanmikiPadit                | EC             | EE         | B20EE031     |
| 24      | B20CE021 | Akash Singh                  | CE             | EE         | B20EE032     |
| 25      | B20EC014 | Kyle Ignatius K Sangma       | EC             | EE         | B20EE033     |
| 26      | B20EC006 | Kenneth Wellborn Basaiawmoit | EC             | EE         | B20EE034     |
| 27      | B20EE021 | P. Charan Kumar              | EE             | ME         | B20ME030     |

**R14/SENATE-XXVI/21: The Senate Resolved to Ratify the Branch Change 2021 list as presented.**

**Item No.15: Special Permission to Register for B. Tech Courses beyond 6 Years.**

It was briefed to the Senate that three students were approved by the Senate in its XXV<sup>th</sup> Meeting for one time extension of the Programme beyond 6 years by one year from Autumn 2021 till Spring 2022. However, for one student Onaldonie Wanbah (B15EE009), it was suggested to the DAC to provide a proper note for approval of the Chairman, Senate along with the subjects to be allotted to the student for improving his CGPA beyond 5 credits. The same was submitted by EE Department and was also approved by the Competent Authority.

**R15/SENATE-XXVI/21: The Senate Resolved to Ratify the decision taken by the Competent Authority on Onaldonie Wanbah (B15EE009).**

**Item No.16: Selection of Adjunct Faculty, EC Dept, through VAJRA Scheme, SERB**

The Senate was apprised that the Science and Engineering Research Board (SERB) of Department of Science and Technology (DST), vide its letter no. VJR/2020/000021 dated 8<sup>th</sup> Sep 2021 has provisionally selected the application of Dr. Ch. V. Rama Rao, Ass. Prof., EC Dept, NIT Meghalaya to host Prof. Israel Cohen from Technical-Israel Institute of Technology for VAJRA (Visiting Advanced Joint Research), an SERB scheme to tap the expertise of Overseas Faculty/Scientists including Non-Residential Indians (NRIs).



As per the letter of approval, it is further mentioned that though the support from SERB is limited to VAJRA faculty for a three-month period in a year, it is advisable to offer him/her the Adjunct Faculty position at the Institute at least for a period of one year.

In this context, the matter for the selection of Prof. Israel Cohen from Technical-Israel Institute of Technology as an Adjunct Faculty in the EC Department of the Institute was placed before the Chairman, Senate and the same has been approved **for a period of One year** from the date of issue of the appointment letter.

**R16/SENATE-XXVI/21: The Senate Resolved to Ratify the selection of Prof. Israel Cohen from Technical-Israel Institute of Technology as an Adjunct Faculty in the EC Department for a period of One year from the date of issue of the appointment letter.**

**Item No. 17: Grade Change Appeal, Spring 2021**

The Senate was briefed that appeals for grade change were received from the following students after the declaration of Spring 2021 results. The applications were forwarded to the respective Course Instructors through the HoDs and on receiving the recommendations from the Departments, the matter was discussed at the UGPEC Meeting held on 2<sup>nd</sup> Sep 2021.

The UGPEC was convinced with the justifications given by the Course Instructors for up-gradation of grades for CS152, EE312 & ME152 with the new grades as indicated in the table except for **CY 151**. The UGPEC thus recommended that the grades may be re-analysed by the concerned DAC and sufficient justifications may be provided if it recommends awarding the new grades to the two students. The minutes of the DAC were along with the justifications were presented to the Chairman, Senate and the same was approved with the revised grades as under.

| Sl. No.                                    | Roll No. | Name of the Student    | Sem. in which offered | Course Instructor(s)       | Previous Grade Awarded | Grades awarded after Grade Change Appeal |
|--|----------|------------------------|-----------------------|----------------------------|------------------------|--|
| CY151 Chemistry Lab                        |          |                        |                       |                            |                        |  |
| 1  | B19CS032 | Iftekhhar Mahmood Anim | 1 <sup>st</sup>       | Dr. Gitish Kumar Dutta     | I                      | Revised grade is BC                      |
| 2  | B19CS035 | Sree Niloy Kumar Roy   | 5 <sup>th</sup>       | Dr. Paresh Nath Chatterjee | I                      | Revised grade is CC                      |
| CS152 Introduction to Computing Lab        |          |                        |                       |                            |                        |  |
| 1  | B20CE005 | Alfie Doreen Nongsiej  | 2 <sup>nd</sup>       | Dr. Diptendu Sinha Roy     | I                      | Revised grade is AA                      |
| EE312 Microcontroller and Embedded Systems |          |                        |                       |                            |                        |  |
| 2  | B18EE034 | Meknerki Law           | 6 <sup>th</sup>       | Dr. Rakesh Roy             | CC                     | Revised grade is BC                      |
| ME152 Mechanical Workshop Practice         |          |                        |                       |                            |                        |  |
| 5  | B20CS022 | Divyasree Dev          | 2 <sup>nd</sup>       | Dr. Pallekonda Ramesh Babu | BC                     | Revised grade is AB                      |

**R17/SENATE-XXVI/21: The Senate Resolved to Ratify the Grade Change Appeals received from the above mentioned students for Spring 2021 as presented.**

# **Reporting Items**

**Item No.18: ATAL Academy Sponsored FDP on "Sustainable Green Composites: Design, Manufacturing and Characterization"**

The Department of Mechanical Engineering, NIT Meghalaya successfully organised ATAL Academy Sponsored Five-Days Online Faculty Development Program (FDP) on "Sustainable Green Composites: Design, Manufacturing and Characterization" during 9-13th August, 2021. The Coordinator & Co-Coordinator of the FDP was Dr. Kishore Debnath & Dr. Biplab Kumar Debnath. A total of 200 participants registered in this faculty development program which is the maximum limit for this type of FDP as per AICTE guidelines. The registered participants were mostly faculty members from the reputed institutes and universities across the country. A total of 13 technical sessions, 1 laboratory session & 1 session on "Stress Management" have been conducted by the resource persons from the Foreign University, IIT's, NIT's, and other reputed institutions during the FDP.

**R18/SENATE-XXVI/21: The Senate Noted the ATAL Academy Sponsored Five-Days Online Faculty Development Program (FDP) organized by the ME Department of the Institute.**

**Item No.19: National Workshop on "Emerging Trends in Smart Grid and Sustainable Energy Technology"**

Two Weeks National Workshop on Emerging Trends on Smart Grid and Sustainable Energy was jointly organized by Department of Computer Science and Engineering, Electronics and Communication Engineering and Electrical Engineering of NIT Meghalaya during 3rd- 12th September 2021. The workshop was designed to address recent advancements in the area of Smart Grid which is a cutting edge technology undergoing a significant transition with increasing penetration of renewable and advent of new sensing, computing, control and communication technology. The course offered a unique platform to the scientists of R&D sectors, practicing engineers, academicians and research scholars working in the relevant areas. Adjunct faculties of NIT Meghalaya, Faculties from various IITs, NITs, Industry personnel and in-house faculties have delivered the lectures in this workshop.

**R19/SENATE-XXVI/21: The Senate Noted the National Workshop on "Emerging Trends in Smart Grid and Sustainable Energy Technology" organized by the CS, EE and EC Departments of the Institute.**

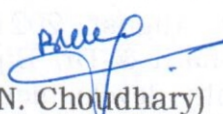
**Item No.20: NIRF Ranking**

NIT Meghalaya has achieved 59<sup>th</sup> rank (among all Engineering Institutes in India) in the National Institutional Ranking Framework (NIRF) instituted by MoE during 2021. The Institute secured 14<sup>th</sup> rank amongst all other NITs featuring in NIRF 2021 and also held the top position amongst the 11 new NITs. The Institute was ranked in 61<sup>st</sup> position in NIRF 2020.

**R20/SENATE-XXVI/21: The Senate Noted, Appreciated and Congratulated the Institute for acquiring the 59th Rank in the NIRF Ranking 2021 and also conveyed its best wishes to the Institute for its future endeavors.**

17<sup>th</sup> Sep, 2021**Item No. 20 : Any other Items with the Permission of the Chair**

As there were no other items to discuss, the meeting concluded with thanks to and from the Chair.



(B.N. Choudhary)  
Registrar and Secretary