सीनेट की इक्यानबेवीं बैठक का कार्यवृत्त

MINUTES OF THE 91ST MEETING OF THE SENATE

21 जुलाई 2022

21st JULY 2022

भारतीय प्रौद्योगिकी संस्थान रूड़की

रूड़की – 247 667 (भारत)

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE – 247 667 (INDIA)

भारतीय प्रौद्योगिकी संस्थान रूड़की

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

रूड़की 247 667

ROORKEE – 247 667

सूची / INDEX

08 AUG 2022

91.6	रासायनिक अभियांत्रिकी विभाग के एम.टेक कार्यक्रम के लिए सीटों की संख्या बढ़ाने के प्रस्ताव पर विचार करना। To consider the proposal of the Department of Chemical Engg. to increase the number of seats for the M.Tech. programme.	3
91.7	इलेक्ट्रानिक्स और संचार इंजीनियरिंग विभाग के उद्योग से अंशकालिक पीएचडी छात्रों के प्रवेश के लिए पात्रता मानदंड को संशोधित करने के पर विचार करना। To consider the proposal of the Department of Electronics and Communication Engg. to modify the eligibility criteria for admission of part-time Ph.D. students from Industry.	3
91.8	जल विज्ञान विभाग के एम.टेक जल विज्ञान और पी.जी. डिप्लोमा जल विज्ञान कार्यक्रम के प्रस्तावित संशोधित पात्रता मानदंड पर विचार करना। To consider the revised eligibility criteria proposed by the Department of Hydrology for M.Tech. Hydrology and P.G. Diploma Hydrology programs.	4
91.9	मानविकी और सामाजिक विज्ञान विभाग के जैम 2023 के माध्यम से एमएससी अर्थशास्त्र के लिए पात्रता मानदंड को संशोधित करने के प्रस्ताव पर विचार करना। To consider the proposal of the Department of Humanities and Social Sciences to revise eligibility criteria for M.Sc. Economics through JAM 2023.	4
91.10	निम्नलिखित छात्रों के अनुरोधो पर विचार करना। To consider the requests of the following students: श्रेणी ए : ओईसी के विकल्प के रूप में एनपीटीईएल पाठ्यक्रम पर विचार। Category-A: Consideration of an NPTEL course as an alternative to OEC 1. जया रावत (Enr. No. 18113064), बी.टेक (सीई) चतुर्थ वर्ष 1. Jaya Rawat (Enr. No. 18113064), B.Tech. (CE), IV Yr श्रेणी–बी: पीईसी के विकल्प के रूप में अतिरिक्त पाठ्यक्रम कार्यक्रमों पर विचार। Category-B: Consideration of additional courses as an alternative to PEC 1. उत्कर्ष माथुर (Enr. No.18121024), बी.टेक. (सी.एच) चतुर्थ वर्ष 1. Utkarsh Mathur (Enr. No.18121024), B.Tech.(CH), IV Yr श्रेणी–सी: नाम बहाली Category-C: Name restoration 1. सत्यजीत शुक्ला (Enr.No.19552006),एम.टेक, (डीएम) द्वितीय वर्ष 2. अब्दुल अजीज (Enr. No. 18538001),एम.टेक, (एमई) द्वितीय वर्ष	4-5

08 AUG 2022

	3. जसबीर सिंह (Enr. No. 20528010), एम.टेक, (ईई) द्वितीय वर्ष 1. Satyajeet Shukla (Enr.No.19552006), M.Tech. (DM),II Yr 2. Abdul Aziz (Enr. No. 18538001) M.Tech. (ME), II Yr 3. Jasbir Singh (Enr. No. 20528010) M.Tech. (EE), II Yr श्रेणी–डी: नाम बहाली और कार्यक्रम का विस्तार Category-D: Name restoration and extension of programme 1. अरबिंद कुमार रजक (Enr. No. 15115027) बीटेक (ईई) चतुर्थ वर्ष 2. नीतिश कुमार (Enr. No. 16115079 बीटेक (ईई) चतुर्थ वर्ष 3. पदम सिंह (Enr. No. 16115080), बीटेक (ईई) चतुर्थ वर्ष 1. Arbind Kumar Rajak (Enr. No. 15115027), B.Tech. (EE), IV Yr 2. Nitish Kumar (Enr. No. 16115079), B.Tech. (EE), IV Yr 3. Padam Singh (Enr. No. 16115080), B.Tech. (EE), IV Yr	
91.11	श्री विवेक कुमार यादव (En.No.: 17922009) पूर्व पीएचडी छात्र, कागज प्रौद्योगिकी विभाग की शैक्षणिक पंजीकरण की बहाली हेतुए दया अपील पर विचार करना। To consider the mercy appeal of Mr. Vivek Kumar Yadav (En.No.: 17922009) ex-Ph.D. student, Dept. of Paper Technology, for reinstatement of academic registration.	5
91.12	यूजी और पीजी छात्रों को एग्जिट प्रोग्राम और ज्वाइंट डिग्री प्रोग्राम के लिए जारी किए जाने वाली डिग्री और सर्टिफिकेट के प्रस्तावित फॉर्मेट पर विचार करना। To consider the proposed formats of Degrees and Certificates to be issued to the UG & PG students for the Exit programmes and Joint Degree Programmes.	5
91.13	दिनांक 01.09.2021 से विभिन्न पी.एच.डी. डिग्री पुरस्कार प्रदान करने के लिए आवश्यताएं पूरी करने वाले छात्रों को अनंतिम पी.एच.डी. डिग्री प्रदान करने की पुष्टि करना। To ratify the provisional Ph.D. degrees to students who have completed the requirements for the award of the Ph.D. degree in various disciplines w.e.f. 01.09.2021.	5
91.14	अध्यक्ष, सीनेट द्वारा दिए गए अनुमोदनों की रिपोर्ट करने To report the approvals accorded by the Chairman, Senate	5
Under any other item		
91.15	To consider a proposal for extending the existing provision of switchover from Masters to Ph.D. programme to the students of the M.Des. programme offered by the Department of Design.	6

08 AUG 2022

08 AUG 2022

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

MEETING SECTION

Minutes of the 91st Meeting of the Senate held on 21.07.2022 at 04.00 P.M. in the Senate Hall.

The list of participants who attended the meeting is appended at **Annexure-I.**

At the outset, the Chairman welcomed the members to the 91st meeting of the Senate.

The Chairman thanked and placed on record the valuable contributions of the following:

1. Prof. Rajib Chowdhury, Associate Dean, Infrastructure (Civil)

The Chairman also welcomed the following new members of the Senate and wished for their active participation in the proceedings of the Senate:

1. Prof. Uttam Kumar Roy Head of the Centre of Transportation Systems
2. Prof. Gaurav Manik, Head of Polymer & Process Engineering
3. Prof. E. Rajasekar, Associate Dean, Infrastructure (Civil)

The following members conveyed their inability to join the meeting:

1. Prof. Sanjoy Ghosh, Professor, Deptt. of Biosciences & Bioengineering
2. Prof. Naveen Kumar Navani, Deptt. of Biosciences & Bioengineering
3. Prof. Amit Kumar Dhiman, Department of Chemical Engineering
4. Prof. Z. Ahmad, Department of Civil Engineering
5. Prof. R.D. Garg, Department of Civil Engineering
6. Prof. P.K. Garg, Department of Civil Engineering
7. Prof. Satyendra Mittal, Department of Civil Engineering
8. Prof. M. Parida, Department of Civil Engineering
9. Prof. Rajat Rastogi, Department of Civil Engineering
10. Prof. Vishwas Sawant, Department of Civil Engineering

08 AUG 2022

11. Prof. Anand Joshi, Department of Earth Sciences
12. Prof. P. Sumathi, Department of Electrical Engineering
13. Prof. Mukesh Kumar Pathak, Department of Electrical Engineering
14. Prof. Anand Bulusu, Department of Electronics & Comm. Engineering
15. Prof. Dharmendra Singh, Department of Electronics & Comm. Engg.
16. Prof. Sanjeev Manhas, Department of Electronics & Comm. Engg.
17. Prof. Binod Mishra, Department of Humanities & Social Sciences
18. Prof. Anindya Jayanta Mishra, Department of Humanities and Social Sciences
19. Prof. N. K. Goel, Department of Hydrology
20. Prof. Himanshu Joshi, Department of Hydrology
21. Prof. Brijesh Yadav, Department of Hydrology
22. Prof. Sandip Banerjee, Department of Mathematics
23. Prof. Dheerendra Kumar Dwivedi, Department of Mech. & Ind. Engg.
24. Prof. Ravi Kumar, Department of Mechanical & Industrial Engg.
25. Prof. Krishnan Murugesan, Department of Mech. & Ind. Engg.
26. Prof. Manish Mishra, Department of Mechanical & Industrial Engineering
27. Prof. V.H. Saran, Department of Mechanical & Industrial Engg.
28. Prof. Indra Vir Singh, Department of Mechanical and Industrial Engineering,
29. Prof. B. K Gandhi, Department of Mechanical & Industrial Engg.
30. Prof. K.M. Singh, Department of Mechanical & Industrial Engg.
31. Prof. S.C. Sharma, Department of Paper Technology, Saharanpur Campus
32. Prof. B.K. Patra, Department of Physics
33. Prof. Ajay Wasan, Department of Physics
34. Prof. M.L. Kansal, Department Water Resources Development & Management
35. Prof. Gaurav Manik, Head, Department of Polymer and Process Engineering
36. Prof. E. Rajasekar, Associate Dean, Infra (Civil)

The agenda was then taken up.

Item No. 91.1: To confirm the minutes of the 90th Senate meeting held on 16.03.2022.

Since no comments were received, the Senate confirmed the minutes as circulated on 19.04.2022.

Item No. 91.2: To report on the actions taken to implement the decisions of the Senate taken in its 90th meeting held on 16.03.2022.

The Senate noted the actions taken on the minutes.

08 AUG 2022

Item No. 91.3: **To consider the structure of the B.Tech. program in Data Science and Artificial Intelligence.**

The Senate considered and approved the structure of the B.Tech. program in Data Science and Artificial Intelligence as given in **Appendix-A**.

Item No. 91.4: **To consider the proposal for establishment of a virtual academic centre – "Centre for Flexible and Smart Energy Device (CFSE)".**

The Senate recommended the proposal for the establishment of "Centre for Flexible and Smart Energy Device (CFSE)" to the Board of Governors for approval. The Senate further recommended that the Centre may function in virtual mode, to begin with.

Item No. 91.5: **To consider the proposal of the Department of Electronics and Communication Engineering to increase the number of seats for M.Tech. (VLSI) for industry professionals from 20 (twenty) to 30 (thirty).**

The Senate deliberated and decided that a revised proposal be brought next year when the first batch will be close to completing the program.

Item No. 91.6: **To consider the proposal of the Department of Chemical Engg. to increase the number of seats for the M.Tech. programme.**

The Senate considered the proposal and decided that the seats be increased to 50 w.e.f. the academic year 2023-2024.

Item No. 91.7: **To consider the proposal of the Department of Electronics and Communication Engg. to modify the eligibility criteria for admission of part-time Ph.D. students from Industry.**

The Senate considered and deferred the proposal. The Senate suggested that department-wise details of the part-time Ph.D. students from the industry in the past three years be analyzed by IRC before the proposal is considered by the Senate.

08 AUG 2022

Item No. 91.8: **To consider the revised eligibility criteria proposed by the Department of Hydrology for M.Tech. Hydrology and P.G. Diploma Hydrology programs.**

The Senate considered and approved the revised eligibility criteria as given in **Appendix-B.**

Item No. 91.9: **To consider the proposal of the Department of Humanities and Social Sciences to revise eligibility criteria for M.Sc. Economics through JAM 2023.**

The Senate considered and approved the following revised eligibility criteria for M.Sc. Economics through JAM:

Eligibility Criteria	B.Tech./B.E./ B.Sc (Economics) /B.A.(Economics) /B.Sc.(Statistics)/BCA and B.Sc./B.A./ B.Com. with Mathematics as one of the subjects.

Item No. 91.10: **To consider the requests of the following students:**

Category-A: Consideration of an NPTEL course as an alternative to OEC

1. **Jaya Rawat (Enr. No. 18113064), B.Tech. (CE), IV Yr**

Category-B: Consideration of additional courses as an alternative to PEC

1. **Utkarsh Mathur (Enr. No.18121024), B.Tech. (CH), IV Yr**

Category-C: Name restoration

1. **Satyajeet Shukla (Enr.No.19552006), M.Tech. (DM), II Yr**
2. **Abdul Aziz (Enr. No. 18538001) M.Tech. (ME), II Yr**
3. **Jasbir Singh (Enr. No. 20528010) M.Tech. (EE), II Yr**

Category-D: Name restoration and extension of programme

1. **Arbind Kumar Rajak (Enr. No. 15115027), B.Tech. (EE), IV Yr**
2. **Nitish Kumar (Enr. No. 16115079), B.Tech. (EE), IV Yr**
3. **Padam Singh (Enr. No. 16115080), B.Tech. (EE), IV Yr**

The Senate considered the item and decided the following:

S. No.	Name Enr No.	Accepted/ Not Accepted the request
1.	Jaya Rawat (Enr. No. 18113064), B.Tech. (CE), IV Yr	Accepted
2.	Utkarsh Mathur (Enr. No.18121024), B.Tech. (CH), IV Yr	Accepted

08 AUG 2022

3.	Satyajeet Shukla (Enr.No.19552006), M.Tech. (DM), II Yr	Accepted
4.	Abdul Aziz (Enr. No. 18538001) M.Tech. (ME), II Yr	Accepted
5.	Jasbir Singh (Enr. No. 20528010) M.Tech. (EE), II Yr	Accepted
6.	Arbind Kumar Rajak (Enr. No. 15115027), B.Tech. (EE), IV Yr	Not Accepted
7.	Nitish Kumar (Enr. No. 16115079), B.Tech. (EE), IV Yr	Accepted
8.	Padam Singh (Enr. No. 16115080), B.Tech. (EE), IV Yr	Accepted for Name Restoration

Item No. 91.11: To consider the mercy appeal of Mr. Vivek Kumar Yadav (En.No.: 17922009) ex-Ph. D. student, Dept. of Paper Technology, for reinstatement of academic registration.

The Senate did not accept the request of the ex-Ph.D. student.

Item No. 91.12: To consider the proposed formats of Degrees and Certificates to be issued to the UG & PG students for the Exit programmes and Joint Degree Programmes.

The Senate considered and approved the formats of the Provisional Degree Certificates and Degrees as given in **Appendix-C**.

The Senate suggested that the formats of the Exit Certificates be reconsidered by IAPC/IRC.

Item No. 91.13: To ratify the provisional Ph.D. degrees to students who have completed the requirements for the award of the Ph.D. degree in various disciplines w.e.f. 01.09.2021.

The Senate ratified the item as given in **Appendix-D.**

Item No. 91.14: To report the approvals accorded by the Chairman, Senate

The Senate noted the items.

08 AUG 2022

UNDER ANY OTHER ITEMS:

Item No. 91.15: To consider a proposal for extending the existing provision of switchover from Masters to Ph.D. programme to the students of the M.Des. programme offered by the Department of Design.

The Senate considered and approved the proposal.

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

08 AUG 2022

Annexure-I

Following were present

1.	Prof. A.K. Chaturvedi	Director & Chairman
2.	Prof. (Mrs.) Milli Pant	Applied Math. and Sci. Computing
3.	Prof. V. Devdas	Architecture & Planning
4.	Prof. Mahua Mukherjee	Architecture & Planning
5.	Prof. Pravindra Kumar	Biosciences & Bioengineering
6.	Prof. Gopinath Packirisamy	Biosciences & Bioengineering
7.	Prof. Ranjana Pathania	Biosciences & Bioengineering
8.	Prof. Partha Roy	Biosciences & Bioengineering
9.	Prof. Ashwani Kumar Sharma	Biosciences & Bioengineering
10.	Prof. Shailly Tomar	Biosciences & Bioengineering
11.	Prof. Prakash Biswas	Chemical Engineering
12.	Prof. P.P. Kundu	Chemical Engineering
13.	Prof. Prasenjit Mondal	Chemical Engineering
14.	Prof. B. Prasad	Chemical Engineering
15.	Prof. Vimal Chandra Srivastava	Chemical Engineering
16.	Prof. Naseem Ahmad	Chemistry
17.	Prof. R.K. Dutta	Chemistry
18.	Prof. Kaushik Ghosh	Chemistry
19.	Prof. M.R. Maurya	Chemistry
20.	Prof. Paritosh Mohanty	Chemistry
21.	Prof. Jeevanandam P.	Chemistry
22.	Prof. R.K. Peddinti	Chemistry
23.	Prof. Muniappan Sankar	Chemistry
24.	Prof. Anuj Sharma	Chemistry
25.	Prof. U.P. Singh	Chemistry
26.	Prof. K.R. Justin Thomas	Chemistry
27.	Prof. Satish Chandra	Civil Engineering
28.	Prof. S.K. Ghosh	Civil Engineering
29.	Prof. Bhola Ram Gurjar	Civil Engineering
30.	Prof. Praveen Kumar	Civil Engineering
31.	Prof. Priti Maheshwari	Civil Engineering
32.	Prof. C.S.P. Ojha	Civil Engineering
33.	Prof. K.S. Hari Prasad	Civil Engineering
34.	Prof. N.K. Samadhiya	Civil Engineering
35.	Prof. Mahendra Singh	Civil Engineering
36.	Prof. Rajdeep Niyogi	Computer Science & Engineering
37.	Prof. Durga Toshniwal	Computer Science & Engineering
38.	Prof. Pankaj Agrawal	Earthquake Engineering
39.	Prof. Bal Krishna Maheshwari	Earthquake Engineering
40.	Prof. Manish Shrikhande	Earthquake Engineering
41.	Prof. Sunil Bajpai	Earth Sciences
42.	Prof. G.J. Chakrapani	Earth Sciences

08 AUG 2022

43.	Prof. Mohd. Israil	Earth Sciences
44.	Prof. B.R. Bhalja	Electrical Engineering
45.	Prof. G.N. Pillai	Electrical Engineering
46.	Prof. Barjeev Tyagi	Electrical Engineering
47.	Prof. Sudeb Dasgupta	Electronics & Communication Engg.
48.	Prof. Brajesh Kumar Kaushik	Electronics & Communication Engg.
49.	Prof. N.P. Pathak	Electronics & Communication Engg.
50.	Prof. Amalendu Patnaik	Electronics & Communication Engg.
51.	Prof. Nagendra Kumar	Humanities & Social Sciences
52.	Prof. Sanjit Kumar Mishra	Humanities & Social Sciences
53.	Prof. D.S. Arya	Hydrology
54.	Prof. M.K. Jain	Hydrology
55.	Prof. Arun Kumar	Hydro & Renewable Energy
56.	Prof. R.P. Saini	Hydro & Renewable Energy
57.	Prof. Sunil Kumar Singhal	Hydro & Renewable Energy
58.	Prof. Ramesh Chandra	Institute Instrumentation Centre
59.	Prof. Rajat Agarwal	Management Studies
60.	Prof. M.K. Barua	Management Studies
61.	Prof. (Mrs.) Usha Lenka	Management Studies
62.	Prof. Vinay Sharma	Management Studies
63.	Prof. Premananda Bera	Mathematics
64.	Prof. Kusum Deep	Mathematics
65.	Prof. Maheshanand	Mathematics
66.	Prof. Tanuja Srivastava	Mathematics
67.	Prof. A. Swaminathan	Mathematics
68.	Prof. Sushanta Dutta	Mechanical & Industrial Engg.
69.	Prof. Akshay Dvivedi	Mechanical & Industrial Engg.
70.	Prof. S.P. Harsha	Mechanical & Industrial Engg.
71.	Prof. P.K. Jha	Mechanical & Industrial Engg.
72.	Prof. Bhanu Kumar Mishra	Mechanical & Industrial Engg.
73.	Prof. Kaushik Pal	Mechanical & Industrial Engg.
74.	Prof. P.M. Pathak	Mechanical & Industrial Engg.
75.	Prof. Apurbba Kumar Sharma	Mechanical & Industrial Engg.
76.	Prof. Inderdeep Singh	Mechanical & Industrial Engg.
77.	Prof. Andallib Tariq	Mechanical & Industrial Engg.
78.	Prof. S.H. Upadhyay	Mechanical & Industrial Engg.
79.	Prof. G. P. Chaudhuri	Metallurgical & Materials Engg.
80.	Prof. B.S.S. Daniel	Metallurgical & Materials Engg.
81.	Prof. B.V.M. Kumar	Metallurgical & Materials Engg.
82.	Prof. Vivek Pancholi	Metallurgical & Materials Engg.
83.	Prof. Anjan Sil	Metallurgical & Materials Engg.
84.	Prof. Dharam Dutt	Paper Technology,Saharanpur Campus
85.	Prof. Ajay	Physics
86.	Prof. P. Arumugam	Physics
87.	Prof. Rajdeep Chatterjee	Physics

08 AUG 2022

88.	Prof. Aalok Misra	Physics
89.	Prof. Vipul Rastogi	Physics
90.	Prof. Ghanshyam Das Verma	Physics
91.	Prof. Davinder Kaur Walia	Physics
92.	Prof. Kanhaiya Lal Yadav	Physics
93.	Prof. Deepak Khare	WRD&M
94.	Prof. S.K. Mishra	WRD&M
95.	Prof. Ashish Pandey	WRD&M

96. Prof. Sanjeev Kumar, Head, Institute Computer Centre
97. Prof. Uttam Kumar Roy, Head of the Centre of Transportation Systems.
98. Prof. Sumit Sen, Head, Centre of Excellence in Disaster Mitigation and Management
99. Prof. Mukesh Kumar Singhal, Department of Hydro & Renewable Energy
100. Prof. Anubrata Dey, Associate Dean, Infra. (Electrical & A/C)
101. Prof. Anil K. Gourishetty, Assoc, DOSW (Students' Activities)
102. Prof. C.N. Ramchandran, ADOAA (Curriculum)
103. Dr. C. Jayakumar, Librarian
104. Chairman, SCSP
105. Prof. Soumitra Satapathi — Special Invitee

106. Mr. Prashant Garg, Registrar & Secretary, Senate

08 AUG 2022

Mehta Family School of Data Science and Artificial Intelligence
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
Proposed Structure

ANNEXURE I

Program Code : XXX B. Tech. in Data Science and Artificial Intelligence
Department : Mehta Family School of Data Science and Artificial Intelligence

Year	Credits in Autumn Semester	Credits in Spring Semester	Credits (year-wise)
1	21	24	45
2	23	20	43
3	21	19	40
4	14	16	30
Extra-Curricular			04
Grand Total	79	79	162
Grand Total with Minor/Honor Specialization Courses	5 more courses with additional credits 18-20		180-182

08 AUG 2022

Appendix 'A'
Item No. Senate / 91.3

Credits Distributions

Curricular Components	Credits
(a) Institute Core Courses	
Humanities and Social Sciences	04
Basic Sciences	16
Engineering Sciences	16
General Sciences	03
Total	**39**
(b) Program Core Courses	
Class Contact Core Courses	64
Introduction to Discipline	02
Lab based Project	04
B.Tech. Project	12
Technical Communications	02
Practical Training/Internship	02
Total	**86**
HSSMEC	06
PEC	24
Open Elective Courses	03
Extra-Curricular Activities (Discipline+NCC/NSO/NSS)	04
Total	**37**
Grand Total without Minor/ Honor Courses	**162**
MSC/DHC	18-20
Grand Total with Minor/ Honor Courses	**180-182**

08 AUG 2022

Mehta Family School of Data Science and Artificial Intelligence
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Program Code : **XXX B.Tech. in Data Science and Artificial Intelligence**
Department : **Mehta Family School of Data Science and Artificial**
IntelligenceYear : **I**

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Autumn Semester														
1.	MAN-001	Mathematics-I	BSC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	PHN-007	Modern Physics	BSC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
3.	HSN-001	Communication Skills	HSSC	2	1	0	2	2	0	20-35	-	20-30	40-50	-
4.	HSN-002	Introduction to Psychology	HSSC	2	1	1	0	2	0	20-35	-	20-30	40-50	-
5.	CEN-105	Introduction to Environmental Studies	GSC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
6.	DA-101	Introduction to DS and AI	PCC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
7.	DA-103	Object Oriented Programming in C++	ESC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
Total				**21**	**16**	**2**	**6**							
Spring Semester														
1.	MAN-004	Numerical Methods	BSC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	MAN-006	Probability and Statistics	BSC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-102	Data Structures	PCC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
4.	DA-104	Discrete Structures	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	DA-106	Ethics in DS and AI	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6.	MIN-106	Engineering Thermodynamics	ESC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Total				**24**	**18**	**5**	**2**							

08 AUG 2022

Mehta Family School of Data Science and Artificial Intelligence
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Program Code : **XXX B.Tech. in Data Science and Artificial Intelligence**
Department : **Mehta Family School of Data Science and Artificial Intelligence**
Year : **II**

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%) (Tentative)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Autumn Semester														
1.	ECN-207	Computer Architecture and Organization	ESC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	DA-201	Applied Linear Algebra	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-203	Design and Analysis of Algorithms	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-205	Principles of DS and AI	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	DA-207	Optimization and Soft Computing Techniques	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6.	HSN-ELE	HSS elective course	HSSMEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
Total				**23**	**18**	**5**	**0**							
Spring Semester														
1.	CHN-112	Energy Engineering	ESC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	DA-202	Applied Machine Learning	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-204	Artificial Intelligence	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-206	Programming for DS and AI	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	DA-208	Time Series Analysis	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Total				**20**	**15**	**5**	**0**							

08 AUG 2022

Mehta Family School of Data Science and Artificial Intelligence
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Program Code : **XXX B.Tech. in Data Science and Artificial Intelligence**
Department : **Mehta Family School of Data Science and Artificial Intelligence**
Year : **III**

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Autumn Semester														
1.	DA-301	Deep and Reinforcement Learning	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	DA-303	Distributed Systems and Data Analytics	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-305	Statistical Learning Theory	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-391	Technical Communication	PCC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
5.	BM-ELE	Management Elective	HSSMEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
6.	DA-ELE	Department Elective - 1	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Total				**21**	**17**	**4**	**0**							
Spring Semester														
1.	DA-300	Lab-based Project	PCC	4	0	0	4	0	0	100	-	-	-	-
2.	DA-302	Image and Video Analytics	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-304	Natural Language Processing	PCC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-ELE	Department Elective - 2	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	OEC	Open Elective Course	OEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
6.	MSC/DHC	Minor Specialization Course-1/DHC-1	MSC/DHC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Total				**19/23**	**12/15**	**3/4**	**4**							

-14-

08 AUG 2022

Mehta Family School of Data Science and Artificial Intelligence
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Program Code : **XXX B.Tech. in Data Science and Artificial Intelligence**
Department : **Mehta Family School of Data Science and Artificial Intelligence**
Year : **IV**

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Autumn Semester														
1.	DA-400A	B.Tech. Project	PCC	4	0	0	4	-	-	100	-	-	-	-
2.	DA-499	Practical Training/Internship Seminar	PCC	2	0	0	2	-	-	100	-	-	-	-
3.	DA-ELE	Department Elective - 3	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-ELE	Department Elective - 4	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	MSC/DHC	Minor Specialization Course-2/DHC-2	MSC/DHC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6.	MSC/DHC	Minor Specialization Course-3/DHC-3	MSC/DHC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Total				**14/22**	**6/12**	**2/4**	**6**							
Spring Semester														
1.	DA-400B	B.Tech. Project Continues	PCC	8	0	0	8	-	-	100	-	-	-	-
2.	DA-ELE	Department Elective -5	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-ELE	Department Elective - 6	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	MSC/DHC	Minor Specialization Course-4/DHC-4	MSC/DHC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	MSC/DHC	Minor Specialization Course-5/DHC-5	MSC/DHC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Total				**16/24**	**6/12**	**2/4**	**8**							

08 AUG 2022

Mehta Family School of Data Science and Artificial Intelligence
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

LIST OF ELECTIVES

Program Code : XXX B.Tech. in Data Science and Artificial Intelligence
Department Code : Mehta Family School of Data Science and Artificial Intelligence

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight (%)				
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
Program Elective Courses (B1: Foundational/Theoretical/Maths)														
1.	DA-XXX	Causal Inference	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	DA-XXX	Computer Vision	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-XXX	Stochastic Processes and Applications	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-XXX	Evolutionary Algorithms	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	DA-XXX	Information Theory and Cryptography	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Program Elective Courses (B2: Computer Science Electives)														
1.	DA-XXX	Data Stream Mining	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	DA-XXX	Information Retrieval	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-XXX	Computer Architecture for AI	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-XXX	Intelligent Robotics	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	DA-XXX	Intelligent Cloud Computing	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6.	DA-XXX	Big Data Analytics	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
7.	DA-XXX	Security and Privacy	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
8.	DA-XXX	Advanced Applications of Pattern Recognition	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-

08 AUG 2022

Program Elective Courses (B3: Social/Business/Finance Electives)															
1.	DA-XXX	AI and Medical Physics	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	DA-XXX	Leveraging Data Science for Finance	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-XXX	Social Network Analysis	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-XXX	E-commerce	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	DA-XXX	Intelligent and Learning Agents	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6.	DA-XXX	Recommender Systems	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
7.	DA-XXX	AI for Investment	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
Program Elective Courses (B4: Healthcare/Transportation/Infrastructure Electives)															
1.	DA-XXX	AI and Medical Physics	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2.	DA-XXX	Introduction to Materials Informatics	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
3.	DA-XXX	Applications of AI in Healthcare	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
4.	DA-XXX	Bioinformatics	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
5.	DA-XXX	AI in Neuroscience & Cognitive Behaviour	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
6.	DA-XXX	AI based Diagnostics tools	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
7.	DA-XXX	ML and AI for Earth Science	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
8.	DA-XXX	AI for Earth Observations	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
9.	DA-XXX	Data-driven Analytics for Smart Transportation Systems	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-

08 AUG 2022

6. ELIGIBILITY FOR ADMISSION

Candidates with the following academic qualifications are eligible to apply for admission to PG Diploma/ M.Tech programme in Hydrology.

(a) Academic Qualifications (anyone of the following)

Proposed
Bachelor's degree in Civil/Agricultural Engineering/Hydrology/ **Geomatics Engineering or equivalent**
M.Sc./M.Tech.(Master's) degree in Chemistry/Geology/Geophysics/Applied Geology/Applied Geophysics/Physics/Meteorology/Geography/Atmospheric Physics/ Environmental Science, with Mathematics inB.Sc. (Bachelor's) course as one of the subjects
M.Sc. (Master's) Degree in Statistics with Physics or Mathematics at B.Sc. (Bachelor's) level
M.Sc. (Master's) Degree in Mathematics with Physics in B.Sc. (Bachelor's) level, or its equivalent
A.M.I.E. (Civil) with B.Sc. or Engineering Diplomaqualifications with at least 3 years research/teaching /other professional experience in responsible capacities.

(b) Conditions for full time sponsored/nominated candidates only:

(i) Candidates seeking admission to the P.G. Diploma/ M.Tech. programme in Hydrology and who possess the required qualification(s) statedabove must have at least **60% aggregate marks or 6.00 CGPA on a 10 point scale** at qualifying degree level.

For Indian candidates belonging to SC/ST category, the qualifying percentage is **55% aggregate marks or 5.5 CGPA on a 10 pointscale**. SC/ST category candidates must submit the requisite certificate from a competent authority along with the application.

(ii) Full time sponsored candidates must have **a minimum of two years of full-time work experience by the last date of submission of application form** in a responsible capacity in a registered Firm/Company/Industry/Educational and Research Institution/Govt. or Quasi-Govt./ Autonomous Organizations in the relevant field(s) in which admission is being sought. The Firm/Company/ Industry should either be a public sector undertaking or a public limited undertaking or a private agency whose annual turn-over during the last two years exceeded Rs. 5 Crores. Educational institutions sponsoring the candidates should be recognized by AICTE (*Indian candidates only*).

Note: The candidates working in Institute/University awarding PG degree itself are not eligible to apply under this category.

08 AUG 2022

(iii) Candidates must submit the sponsorship certificate duly signed by the Head of the Institution/organization on the prescribed proforma(ANNEXURE-2) at the time of admission.

Note:-

- Candidates working in National and International Government/Semi Government/PSU organizations/International agencies are eligible toapply based on this Information Brochure. Remaining candidates can apply through the advertisement released by PG Admission Office in the month of March every year.
- Part-time sponsored candidates can be admitted in accordance with the prevailing ordinances/ regulations of IIT Roorkee.
- A few Indian candidates may also be admitted under QIP, Early Faculty Induction Programme (EFIP) of AICTE and Defence Research &Development Organization (DRDO) Schemes. For further details about admission in these schemes, candidate should contact PG Admission Office, Indian Institute of Technology, Roorkee —247 667.
- Admissions, studentship and related matters are governed by the IIT Roorkee ordinances/regulations framed/amended/ modified and in vogue from time to time. Accordingly, the admission for session 2022-2023 will be as per the prevailing ordinances/regulations.

08 AUG 2022

Serial No.: _ _ _ _

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

PROVISIONAL DEGREE

-20-

This is to certify that

(Name of Student)

Enrollment No.:_____

has successfully defended her/his thesis on DD-MM-YYYY as per the Regulations of the Institute, for the award of the Degree of Master of Science (MS) by Research.

08 AUG 2022

The topic of her/his thesis is:

"_____"

Issued on: DD-MM-YYYY

Assistant Registrar (Evaluation)/Deputy Registrar/Joint Registrar

Appendix 'C'
Item No. Senate / 91.12

Serial No.....

Enrolment No.....

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुशंसा पर

अनुसंधान द्वारा विज्ञान निष्णात (एमएस)

की उपाधि

छात्र/छात्रा का नाम

को

जिन्होंने इस उपाधि की अवाप्ति हेतु विनियम विहित अपेक्षाओं को सन् ..... में सफलतापूर्वक पूरा कर लिया है, एतद्द्वारा प्रदान करता है।

शोध प्रबन्ध शीर्षक: .....

भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक ....., 2022, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

-21-

Indian Institute of Technology Roorkee

on the recommendation of the Senate hereby confers the degree of

Master of Science (MS) by Research

upon

Name of Student

who has successfully completed in the year ____ the requirements prescribed under the regulations for the award of this degree.

Thesis Title: .....

Given this day,_____, 2022, under the seal of the Institute at Roorkee in the Republic of India.

08 AUG 2022

कुलसचिव
Registrar

अध्यक्ष, अभिषद् एवं निदेशक
Chairman, Senate & Director

Serial No.: _ _ _ _

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

PROVISIONAL DEGREE

-22-

This is to certify that

(Name of Student)

Enrollment No.:_____

has successfully defended her/his Ph.D. thesis on DD-MM-YYYY as per Institute Rules and Regulations, under the Joint Doctoral Degree Programme of Indian Institute of Technology Roorkee and Name of other Institute, Country .

08 AUG 2022

The topic of her/his Ph.D. thesis is:

"_____"

Issued on: DD-MM-YYYY

Assistant Registrar (Evaluation)/Deputy Registrar/Joint Registrar

Serial No.....

Enrolment No.....

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुशंसा पर

विद्या वाचस्पति

की उपाधि भारतीय प्रौद्योगिकी संस्थान रुड़की एवम् द्वितीय संस्थान के संयुक्त विद्या वाचस्पति उपाधि कार्यक्रम के अन्तर्गत

छात्र/छात्रा का नाम

को

शोध प्रबन्ध शीर्षक: .....

भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक....., 2022, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

Indian Institute of Technology Roorkee

on the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

under the Joint Doctoral Degree Programme of

Indian Institute of Technology Roorkee and Name of Other Institute, Country, upon

Name of Student

08 AUG 2022

Thesis Title: .....

Given this day,_____, 2022, under the seal of the Institute at Roorkee in the Republic of India.

कुलसचिव
Registrar

अध्यक्ष, अभिषद् एवं निदेशक
Chairman, Senate & Director

Senate approved PDC List

Appendix 'A'

Sl.No.	Name	Deptt.	Topic	Supervisor	Examiner (For./Ind.)	PDC Date
1	Ms. Manavi Suneja	AR	SEMANTICS OF THERMAL COMFORT IN URBAN OPEN SPACES	Prof. E. Rajasekar	Prof. Taina Sharmin, Cardiff University, UK Prof. Abul Razak Mohamed, SPA Vijayawada	13.05.22
2	Mr. Aditya Rahul	AR	IMPACT ANALYSIS OF BLUESPACE ON URBAN HEAT ISLAND IN COMPOSITE CLIMATE	Prof. Mahua Mukherjee	Prof. Rajib Shaw, Keio University, Japan Prof. P. P. Mujumdar, IISc Bangalore	17.05.22
3	Ms. Kaaviya R.	AR	PLANNING FOR OPTIMAL WATER RESILIENCE IN CHENNAI CITY	Prof. V. Devadas	Prof. Abdul Razak Mohamed, SPA, Vijayawada Prof. P. B. S. Bhadoria, IIT Kharagpur	23.05.22
4	Ms. Komal Handore	AR	PLANNING FOR SUSTAINABLE DEVELOPMENT OF PUNE CITY - INDIA	Prof. V. Devadas	Prof. Rabidyuti Biswas, SPA, Delhi Prof. Sanjukkta Bhaduri, SPA, Delhi	31.05.22
5	Ms. Dhaarna	AR	PLANNING FOR WATER, ENERGY AND FOOD SECURITY NEXUS FOR SUSTAINABLE DEVELOPMENT OF BUNDELKHAND REGION OF U.P. STATE	Prof. V. Devadas	Prof. Christopher A. Scott, Pennsylvania State Univ., USA Prof. P. B. S. Bhadoria, IIT Kharagpur	30.06.22
6	Ms. Nupur Pancholi	ASE	ANTHROPOCENE AND THE EMPIRE: REPRESENTATION OF ENVIRONMENT IN THE WRITINGS OF AMITAV GHOSH	Prof. Sanjit K. Mishra	Prof. Dhananjay Singh, JNU New Delhi Prof. Surya Nath Pandey, BHU Varanasi	22.03.22
7	Ms. Deepika Singh	ASE	STUDY OF SHOCK WAVES IN GASEOUS MEDIUM AND A SHALLOW WATER WAVE MODEL	Prof. Rajan Arora	Prof. Lal Pratap Singh, IIT (BHU) Varanasi Prof. Dehua Wang, University of Pittsburgh, USA	25.05.22
8	Mr. Neeladrisingha Das	BB	ANTI-CANCER EFFECT OF NOVEL NATURAL PRODUCTS AND THEIR POSSIBLE MECHANISM OF ACTION	Prof. Partha Roy	Prof. Nihar Ranjan Jana, IIT Kharagpur Prof. Keesook Lee, Chonnam National Univ.,Korea	01.02.22
9	Ms. Kriti Juneja	BB	THE ENHANCEMENT OF CONTENT OF BIOACTIVE METABOLITES IN ECONOMICALLY IMPORTANT MEDICINAL PLANTS BOERHAVIA DIFFUSA AND RUTA CHALEPENSIS	Prof. Debabrata Sircar	Prof. Mikesh Jain, JNU New Delhi Prof. Robert Hansch, Technische Univ. Braunschweig, Germany Prof. B. K. Sarma, BHU Varanasi	17.03.22
10	Mr. Brajesh Kumar Savita	BB	INVESTIGATING MULTIFUNCTIONAL PROPERTIES OF PUMPKIN 2S ALBUMIN AND IDENTIFICATION OF ITS POTENTIAL DNA/RNA BINDING SITE	Prof. A. K. Sharma	Prof. Amit Kumar Das, IIT Kharagpur Prof. Rui Zhao, University of Colorado, USA	04.04.22
11	Mr. Akshay Pareek	BB	MOLECULAR CHARACTERIZATION OF ALPHAVIRUS POLYMERASE	Prof. Shailly Tomar	Prof. Rushika Perera, Colorado State Univ., USA Prof. Mahesh Narayan, Univ. of Texas at El Paso, USA	04.04.22

08 AUG 2022

Appendix 'D'
Item No. Senate / 91.13

12	Mr. Bidya Bhushan Gupta	BB	GENETIC TRANSFORMATION OF RICE FOR INCREASED IRON CONTENT	Prof. Harsh Chauhan	Prof. GoetzHensel, Heinrich-Heine-Univ., Germany Prof. Mukesh Jain, JNU Delhi Prof. Shyam Kumar Masakapalli, IIT Mandi	09.05.22
13	Mr. Jai Krishna Mahto	BB	STUDIES ON ENZYMES INVOLVED IN PLASTICIZERS DEGRADATION	Prof. Pravindra Kumar	Prof. T. P. Singh, AIIMS Delhi Dr. Ashok K. Mohanty, ICAR – IVRI, Mukteswar	17.05.22
14	Ms. Monica Sharma	BB	BIOCHEMICAL AND STRUCTURAL STUDIES ON DEHYDROGENASES OF PHTHALATE AND ISOPHTHALATE DEGRADATION PATHWAYS	Prof. Pravindra Kumar	Prof. Punit Kaur, AIIMS, New Delhi Prof. Mahesh Narayan, Univ. of Texas, USA	02.06.22
15	Mr. Kokane Anant Kiran	CE	ANALYSIS OF SOIL NAILED SLOPES UNDER SEISMIC CONDITIONS	Prof. V. A. Sawant Prof. J. P. Sahoo	Prof. G. R. Dodagoudar, IIT Madras Prof. Nihar Ranjan Patra, IIT Kanpur Prof. Koushik Deb, IIT Kharagpur	30.09.21
16	Mr. Akshay Pratap Singh	CE	STATIC AND SEISMIC BEHAVIOUR OF CANTILEVER SHEET PILE WALLS UNDER SURCHARGE LOAD	Prof. Kaustav Chatterjee	Prof. Deepankar Choudhury, IIT Bombay Prof. Ikuo Towhata, University of Tokyo, Japan	22.10.21
17	Mr. Rajmal Jat	CE	REGIONAL AIR QUALITY MODELING USING CHEMICAL TRANSPORT MODEL	Prof. B. R. Gurjar	Prof. Mukesh Sharma, IIT Kanpur Prof. Seiichiro Yonemura, Prefectural Univ. of Hiroshima, Hiroshima, Japan	26.10.21
18	Ms. Swati Dahiya	CE	FORMATION OF VALUE-ADDED PRODUCTS FROM MICROALGAE GROWN IN HYDROLYSATE OF WASTE BIOMASS	Prof. Raja Chowdhury	Prof. Sarat Kumar Das, IIT (ISM) Dhanbad Prof. Nídia Caetano, School of Engg. Porto, Portugal Prof. Anurag Garg, IIT Bombay	24.11.21
19	Mr. Pranav N.	CE	CONSTRUCTION STAGE BEHAVIOUR AND LONG TERM MONITORING OF THE PRESTRESSED CONCRETE BRIDGE	Prof. Sanjay Chikermane	Prof. Farhad Ansari, Unive. of Illinois at Chicago, US Prof. Anjan Dutta, IIT Guwahati	31.12.21
20	Mr. Avinash Kumar Singh	CE	RESPONSE OF GEOMATERIALS OF TWO LAYERED PAVEMENT STRUCTURES UNDER STATIC AND CYCLIC LOADINGS	Prof. J. P. Sahoo	Prof. Sujit Kumar Dash, IIT Kharagpur Prof. Sarat Kumar Das, IIT (ISM) Dhanbad	17.12.21
21	Mr. Madhusudan G. Kalibhat	CE	BEHAVIOR AND OPTIMUM DESIGN OF STEEL CONCRETE COMPOSITE BRIDGE GIRDERS	Prof. Akhil Upadhyay	Prof. Turmo Coderque Jose, Universitat Politecnica de Catalunya, Spain Prof. S. K. Bhattacharyya, IIT Kharagpur	17.01.22
22	Ms. Vidya Tilak B.	CE	PULLOUT CAPACITIES OF MULTI-PLATE ANCHORS IN SAND	Prof. N. K. Samadhiya	Prof. Krishna Reddy, Univ. of Illinois Chicago, USA Prof. G. L. Sivakumar Babu, IISc Bangalore	28.01.22
23	Mr. Surya Kant Sahdeo	CE	UTILIZATION OF RAP FOR SUSTAINABLE PERVIOUS CONCRETE PAVEMENT	Prof. G. D. Ransinchung R. N.	Prof. Arun Kumar, RMIT University, Australia Prof. Isamu Yoshitake, Yamaguchi Univ., Japan	31.01.22

08 AUG 2022

24	Mr. Godas Srikar	CE	ANALYTICAL AND NUMERICAL MODELING OF BACKFILL SOIL TO ESTIMATE STATIC AND SEISMIC EARTH PRESSURES	Prof. Satyendra Mittal	Prof. K. Rajagopal, IIT Madras Prof. Jagdish Prasad Sahoo, IIt Kanpur	03.02.22
25	Mr. Bisrat Gissila Gidday	CE	WRAP AROUND GEOSYNTHETICS RETAINING WALL WITH TREATED CLAYEY BACKFILL	Prof. Satyendra Mittal	- Prof. Mohamed Shahin, Curtin University, Australia Prof. Nihar Ranjan Patra	08.02.22
26	Ms. Jahnavi K.	CE	MUNICIPAL WASTEWATER TREATMENT PLANT AS A RESERVOIR OF ANTIBIOTIC RESISTANCE	Prof. Sudipta Sarkar	Prof. Celia Maria Manaia Rodrigues, Univ. of Catolica Portuguesa, Portugal Prof. Shashidhar, IIT Hyderabad	08.02.22
27	Mr. Abhinav Kumar	CE	ASSESSMENT OF PEDESTRIAN SAFETY AT SIGNALIZED INTERSECTIONS USING TRAFFIC CONFLICT TECHNIQUE	Prof. Indrajit Ghosh	Prof. Timothy J. Gates, Michigan State Univ., US Prof. P. Vedagiri, Professor, IIT Bombay	15.03.22
28	Ms. Sonali Swetapadma	CE	RELEVANT ASPECTS OF FLOOD FREQUENCY ANALYSIS	Prof. C. S. P. Ojha	Prof. D. Nagesh Kumar, IISc Bangalore Prof. Ronny Berndtsson, Lund University, Sweden	04.04.22
29	Mr. Uttam singh	CE	AQUIFER CHARACTERIZATION USING ELECTRICAL RESISTIVITY TOMOGRAPHY AND SURFACE NUCLEAR MAGNETIC RESONANCE	Prof. P. K. Sharma	Prof. J. H. Pu, University of Bradford, UK Prof. Anirban Dhar, IIT Kharagpur	17.05.22
30	Mr. Anoop Bhardwaj	CE	STUDY OF FORMATIONS FOR HIGH SPEED TRAINS	Prof. Satyendra Mittal	Prof. Priyanka Ghosh, IIT Kanpur Prof. G. L. Sivakumar Babu, IISc Bangalore	09.06.22
31	Mr. Rohit Raju Madke	CE	MULTISCALE MODELLING AND FAILURE PREDICTION OF BRAIDED METACOMPOSITE	Prof. Rajib Chowdhury	Prof. Puneet Mahajan, IIT Delhi Prof. Yogesh M. Desai, , IIT Bombay	14.06.22
32	Mr. B. Venkateswarlu	CE	SHEAR STRENGTH BEHAVIOUR OF TALUS DEPOSITS	Prof. Mahendra Singh	Prof. K. S. Rao, IIT Delhi Prof. Vikas Thakur, Norwegian Univ. of Sci. & Tech., Norway	17.06.22
33	Mr. Surendra Kumar Sharma	CE	3D RANGING USING PANORAMIC IMAGES	Prof. Kamal Jain	Prof. Kourosh Khoshelham, Univ. of Melbourne, Australia Prof. Xuan Zhu, Monash University, Australia	07.07.22
34	Ms. Renuka Verma	CE	INVESTIGATION & SYNTHESIS OF HIGH CAPACITY ADSORBENTS FOR TRACE REMOVAL OF CR(VI) FROM WATER	Prof. Sudipta Sarkar	Prof. Shan-Li Wang, National Taiwan University, Taiwan Prof. Monica Calero, University of Granada, Spain	26.05.22
35	Mr. Amit Kumar Chaurasia	CH	BIOHYDROGEN PRODUCTION USING ELECTRODEPOSITED CATHODES IN MICROBIAL ELECTROLYSIS CELLS	Prof. Prasenjit Mondal	Prof. B. C. Meikap, IIT Kharagpur Prof. A. Szymczyk, Universite de Rennes, France	28.09.21

08 AUG 2022

36	Mr. Soumitra Maiti	CH	ADSORPTION AND STABILIZATION OF HEAVY METALS ON FLY ASH	Prof. B. Prasad Dr. A. K. Minocha	Prof. Shang-Lien Lo, National Taiwan Univ., Taiwan Prof. Manoj Kumar Mondal, IIT (BHU) Varanasi	12.11.21
37	Mr. Rohit Chauhan	CH	ELECTROCHEMICAL DENITRIFICATION OF WASTEWATER CONTAINING NITROGENOUS COMPOUNDS	Prof. V. C. Srivastava	Prof. Sirshendu De, IIT Kharagpur Prof. Gianluca Li Puma, Loughborough Univ., UK	27.12.21
38	Mr. Vikash Singh	CH	UTILIZATION OF INDUSTRIAL SOLID WASTES FOR ENVIRONMENTAL APPLICATIONS AND RECOVERY OF VALUABLES	Prof. V. C. Srivastava	Prof. Nishith Verma, IIT Kanpur Prof. Sirshendu De, IIT Kharagpur	30.12.21
39	Mr. Arvind Kumar	CH	HETROGENEOUS CATALYSIS FOR THE TREATMENT OF RESIN INDUSTRY WASTEWATER	Prof. B. Prasad	Prof. Ramin Farnood, Univ. of Toronto, Canada Prof. Amit Bhatnagar, LUT University, Finland	04.04.22
40	Mr. Mylapilli S V Prasad	CH	SUPERCRITICAL WATER OXIDATION OF PHARMACEUTICAL WASTEWATER	Prof. N. Siva Mohan Reddy	Prof. Grzegorz Boczkaj, Politechnika Gdanska, Poland Prof. Gianluca Li Puma, Loughborough Univ., UK	26.04.22
41	Mr. Ajay Sharma	CH	NON-ISOTHERMAL KINETICS OF BIOMASS PYROLYSIS AND ANALYSIS OF PYROLYSIS PRODUCTS	Prof. Bikash Mohanty	Prof. Kaustubha Mohanty, IIT Guwahati Prof. Ram B. Gupta, Virginia Commonwealth University, Virginia	03.06.22
42	Mr. Srinivasarao Naik B.	CH	STUDIES ON PHASE CHANGE MATERIALS INCORPORATED BUILDING COMPONENTS	Prof. Shishir Sinha Prof. L. P. Singh	Prof. Ashutosh Tiwari, University of Utah, Salt Lake City, USA Prof. Jitendra Sangwai, IIT Madras	24.06.22
43	Mr. Himanshu Buckchash	CSE	UNSUPERVISED HUMAN ACTIVITY RECOGNITION AND GENERATION	Prof. Balasubramanian Raman	Prof. Rajeev Srivastava, IIT (BHU) Varanasi Prof. Q. M. J. Wu, University of Windsor, Canada Prof. Vincenzo Piuri, University of Milan, Italy	08.11.21
44	Mr. Rahul Kumar	CSE	DELINEATION AND CLASSIFICATION OF BRAIN TUMOR USING MRI SEQUENCES	Prof. Balasubramanian Raman	Prof. Q. M. J. Wu, University of Windsor, Canada Prof. C. Krishna Mohan, IIT Hyderabad	22.11.21
45	Mr. Manik Chandra	CSE	A FRAMEWORK FOR QOS AWARE WEB SERVICE SELECTION	Prof. Rajdeep Niyogi	Prof. Adriana S. Giret Boggino, Univ. Politecnica de Valencia, Spain Prof. S. Benbernou, Universite De Paris, France	01.12.21
46	Ms. Ridhi Arora	CSE	COMPUTER-AIDED DIAGNOSIS OF BREAST LESION AND SKIN LESION USING DELINEATION AND CLASSIFICATION APPROACHES	Prof. Balasubramanian Raman	Prof. Krishna Mohan Buddhiraju, IIT Bombay Prof. M. K. Bhuyan, Professor, IIT Guwahati	04.04.22
47	Ms. Aarzoo	CSE	AI BASED ANALYSIS OF SOCIAL MEDIA DATA FOR PUBLIC HEALTH DOMAIN	Prof. Durga Toshniwal	Prof. Robert Stahlbock, Univ. of Hamburg, Germany Prof. Sanjay Kumar Singh, IIT (BHU) Varanasi	05.07.22
48	Mr. Narayan Chaturvedi	CTS	ARTIFICIAL INTELLIGENCE BASED SOLUTIONS FOR URBAN TRANSPORTATION SYSTEMS	Prof. Durga Toshniwal Prof. M. Parida	Prof. Ashish Verma, IISc Bangalore Prof. Robert Stahlbock, Univ. of Hamburg, Germany	21.02.22

08 AUG 2022

49	Ms. Jyoti Mandhani	CTS	DEVELOPMENT OF SERVICE QUALITY FRAMEWORK FOR MASS RAPID TRANSIT SYSTEM IN INDIA	Prof. J. K. Nayak Prof. M. Parida	Prof. Sanjay Kumar Singh, IIM Lucknow Prof. Ashish Bhaskar, Queensland Univ. of Technology, Australia	10.06.22
50	Ms. Dipika Das	CY	CDTE/CDS QUANTUM DOTS AND DIFFERENT TYPES OF CARBON DOTS AS PHOTOLUMINESCENT PROBES FOR SENSING APPLICATIONS	Prof. Raj Kumar Dutta	Prof. Ashok K. Mishra, IIT Madras Prof. A. K. Ganguli, IIT Delhi	04.01.22
51	Mr. Saurabh Sharma	CY	DEVELOPMENT OF SILICA BASED MESOPOROUS MATERIALS FOR CATALYSIS	Prof. Udai P. Singh	Prof. Dilip Kumar Chand, IIT Madras Prof. A. K. Singh, IIT Delhi	17.01.22
52	Mr. Mohan Tiwari	CY	COMPUTATIONAL STUDIES OF THE STRUCTURE AND PROPERTIES OF MIXED CLUSTERS OF CARBON AND GOLD	Prof. Ramachandran C. N.	Prof. T. J. Dhilip Kumar, IIT Ropar Prof. Kwang Soo Kim, Ulsan National Institute of Sci. & Tech., South Korea	17.02.22
53	Ms. Anupriya	CY	IMIDAZO[1,2-A]PYRIDINE-BASED ORGANIC MATERIALS FOR ELECTRONIC APPLICATIONS	Prof. K. R. Justin Thomas	Prof. Jang Hyuk Kwon, Kyung Hee Univ., Korea Prof. Ken-Tsung Wong, National Taiwan Univ., Taiwan Prof. Dillip Kumar Chand, IIT Madras	26.04.22
54	Ms. Akansha Patel	DMM	IMPACT OF CLIMATE VARIABILITY ON GLACIER MASS BALANCE IN REGIONAL, BASINAL AND LOCAL SCALE	Prof. Ajanta Goswami Prof. Thamban Meloth	Prof. Reet Kamal Tiwari, IIT Ropar Prof. Umesh K. Haritashya, Univ. of Dayton, US	19.04.22
55	Mr. Jaydeo Kumar Dharpure	DMM	ANALYSING THE STATUS AND FUTURE CHANGES OF THE CRYOSPHERE AND ITS RELATION WITH CLIMATE CHANGE FOR THE HIMALAYAN REGION	Prof. Ajanta Goswami Dr. Anil V. Kulkarni	Prof. S. P. Aggarwal, NESAC, Meghalaya Prof. Umesh K. Haritashya, Univ. of Dayton, US	18.05.22
56	Mr. Neeraj Mishra	ECE	HIGH PERFORMANCE RING OSCILLATORS USING SEPERATELY DRIVEN INPUTS	Prof. Anand Bulusu	Prof. Paul Leroux, KU Leuven, Belgium Prof. Padmanava Sen, Barkhausen Institute, Germany	07.10.21
57	Mr. Nishant Kumar	ECE	DELTA SIGMA MODULATION BASED DIGITAL TRANSMITTERS FOR UPCOMING WIRELESS COMMUNICATION	Prof. Karun Rawat	Dr. C. V. N. Rao, SAC, Ahmedabad Prof. M. M. De Souza, University of Sheffield, UK	21.10.21
58	Mr. Manvendra Singh	ECE	PERFORMANCE EVALUATION OF VIDEO PROCESSING TECHNIQUES FOR ELECTRO-OPTICAL SURVEILLANCE SYSTEM	Prof. B. K. Kaushik	Prof. Rajeev Srivastava, IIT (BHU) Varanasi Prof. Sumantra Dutta Roy, IIT Delhi	07.12.21

08 AUG 2022

59	Mr. Manoj Purohit	ECE	VIDEO PROCESSING AND ANALYTICS FOR SMART CAMERA BASED ON RECONFIGURABLE ARCHITECTURE	Prof. B. K. Kaushik Dr. Ajay Kumar	Prof. Subrat Kar, IIT Delhi Prof. Zeljko Zilic, McGill University, Canada	07.12.21
60	Mr. Anurag Vijay Agrawal	ECE	ENERGY-EFFICIENT MIMO/MASSIVE MIMO COMMUNICATION WITH PRACTICAL POWER AMPLIFIERS FOR INTELLIGENT TRANSPORTATION SYSTEMS	Prof. Meenakshi Rawat	Prof. Manav Bhatnagar, IIT Delhi Prof. Francisco Falcone, Universidad Publica de Navarra, Spain	17.12.21
61	Mr. Lalit Mohan Dani	ECE	DESIGN CONSIDERATIONS FOR ROBUST LOW VOLTAGE CMOS RING OSCILLATORS	Prof. Anand Bulusu	Prof. Shanthi Pavan, IIT Madras Prof. Pavan Hanumolu, Univ. of Illonois at Urbana Champaign, US	22.12.21
62	Mr. Rahul Kumar	ECE	DESIGN AND ANALYSIS OF IMAGE AND VIDEO DEHAZING VLSI ARCHITECTURES	Prof. B. K. Kaushik Prof. Balasubramanian Raman	Prof. Hiroshi Yoshikawa, Nihon University, Japan Prof. Shaik Rafi Ahamed, IIT Guwahati	21.01.22
63	Mr. Gyanendra	ECE	VLSI ARCHITECTURE FOR EFFICIENT COMPUTATION OF FAST FOURIER AND DISCRETE WAVELET TRANSFORMS	Prof. B. K. Kaushik Prof. Balasubramanian Raman	Prof. Sumantra Dutta Roy, IIT Delhi Prof. Zeljko Zilic, McGill University, Canada	21.01.22
64	Mr. Shashank Kumar Banchhor	ECE	FINFET DEVICE-CIRCUIT INTERACTION IN ANALOG DOMAIN	Prof. Anand Bulusu	Prof. Karol Kalna, Swansea University, US Prof. Shreepad Karmalkar, IIT Madras	11.02.22
65	Mr. Chothmal Kumawat	ECE	FORENSICS OF DECOMPRESSED JPEG IMAGES	Prof. Vinod Pankajakshan	Prof. Umapada Pal, ISI Kolkata Prof. Alessandro Piva, University of Florence, Italy	17.02.22
66	Ms. Sarita Yadav	ECE	FINFET DEVICE-CIRCUIT INTERACTION IN LOW VOLTAGE DOMAIN	Prof. Anand Bulusu	Prof. Santosh K. Vishvakarma, IIT Indore Prof. Shreepad Karmalkar, IIT Madras	08.06.22
67	Mr. Rohit Kumar	EE	INVESTIGATION ON VOLTAGE REGULATION AND CURRENT SHARING IN DC MICROGRID	Prof. M. K. Pathak	Prof. G. Bhuvaneswari, IIT Delhi Prof. Ranjit Mahanty, IIT (BHU) Varanasi	18.10.21
68	Mr. Gaurav	EE	COGNITIVE ASSESSMENT BASED ON PSYCHOPHYSIOLOGICAL PARAMETERS	Prof. R. S. Anand Prof. Vinod Kumar	Prof. Vikram M. Gadre, IIT Bombay Prof. S. Ramakrishnan, IIT Madras	26.10.21
69	Ms. Prachi	EE	INDIAN SIGN LANGUAGE RECOGNITION	Prof. R. S. Anand	Prof. Sumantra Dutta Roy, IIT Delhi Prof. V. Athitsos, Univ. of Texas at Arlington, USA Prof. Vikram M. Gadre, IIT Bombay	26.10.21
70	Mr. Samba Raju Chiluveru	EE	DEVELOPMENT OF SPEECH ENHANCEMENT ALGORITHMS FOR REAL TIME APPLICATION	Prof. Manoj Tropathi	Prof. Vikram M. Gadre, IIT Bombay Prof. Samarendra Dandapat, IIT Guwahati	26.10.21
71	Mr. Maneesh Kumar	EE	PLANNING, OPERATION AND CONTROL OF AN ISOLATED	Prof. Barjeev Tyagi	Prof. Suresh Chandra Srivastava, IIT Kanpur Prof. B. Kalyan Kumar, IIT Madras	10.11.21

08 AUG 2022

			MICROGRID WITH RENEWABLE ENERGY AND BATTERY STORAGE			
72	Mr. Ajay Kumar Maurya	EE	INVESTIGATIONS ON SOLAR AND OCEAN WAVE BASED HYBRID ENERGY SYSTEM	Prof. S. P. Singh	Prof. Bhim Singh, IIT Delhi Prof. Bidyadhar Subudhi, IIT Goa	22.11.21
73	Mr. Subho Paul	EE	RESIDENTIAL AREA ENERGY MANAGEMENT USING DEMAND REGULATION AND STORAGE DEVICES	Prof. N. P. Padhy	Prof. K. Shanti Swarup, IIT Madras Prof. S. N. Singh, IIT Kanpur	26.11.21
74	Mr. Juttu Tejeswara Rao	EE	SECURED THIRD ZONE PROTECTION UNDER STRESSED CONDITIONS OF TRANSMISSION SYSTEM	Prof. Bhavesh Kumar R. Bhalja	Prof S. N. Singh, IIT Kanpur Prof. A. K. Pradhan, IIT kharagpur Prof. Tarlochan S. Sidhu, Univ. of Ontario Institute of Tech., Canada	03.01.22
75	Mr. Sanjay Kumar	EE	PMU PLACEMENT CONSIDERING COMPONENT RELIABILITY OF POWER SYSTEM AND ITS APPLICATION FOR ONLINE VOLTAGE STABILITY MONITORING	Prof. Brajeev Tyagi Prof. Vishal Kumar Dr. Sunita Chohan	Prof. K. Shanti Swarup, IIT Madras Prof. Saikat Chakrabarti, IIT Kharagpur	07.03.22
76	Mr. Lav Joshi	EQ	PHYSICS BASED STRONG GROUND MOTION SIMULATION AND ANALYSIS OF DYNAMIC RESPONSE OF URBAN LAYER	Prof. J. P. Narayan	Prof. P. N. Singha Roy, IIT Kharagpur Prof. Philippe Gueguen, Universite Grenoble Alpes, France	16.11.21
77	Ms. Swati Singh Rajput	EQ	RISK ASSESSMENT OF IDENTIFIED SEISMOTECTONICALLY SUSCEPTIBLE AREAS IN WESTERN HIMALAYA	Prof. Ravi S. Jakka Prof. Amita Sinvhal	Prof. Shobha K. Bhatia, Deptt. of Civil & Environmental Eng., Syracuse University, USA Prof. P. Anbazhagan, IISc Bangalore	03.03.22
78	Mr. Adil Ahmad	EQ	SEISMIC SAFETY OF EPS CORE REINFORCED CONCRETE SANDWICH PANEL BUILDINGS	Prof. Yogendra Singh	Prof. Dipti Ranjan Sahoo, IIT Delhi Prof. Arun Menon, IIT Madras	08.06.22
79	Mr. Amulya Ratna Roul	ES	STABILITY ANALYSIS OF SLOPES IN EASTERN GHATS, ODISHA, INDIA	Prof. S. P. Pradhan	Prof. Kripamoy Sarkar, IIT (ISM) Dhanbad Prof. Trilok Nath Singh, IIT Bombay	08.09.21
80	Mr. Pir Mohammad	ES	URBAN HEAT ISLAND STUDY AND MODELLING OPTIMAL URBANIZATION PATTERN IN SELECTED INDIAN CITIES	Prof. Ajanta Goswami	Prof. Shailesh Nayak, IISC Bangalore Prof. Umesh K. Haritashya, Univ. of Dayton, US Prof. Raaj Ramsankaran, IIT Bombay	24.11.21
81	Mr. Shashi Rajan Rai	ES	P-T EVOLUTION, GEOCHRONOLOGY OF MIGMATITE FROM LEO PARGIL DOME, KINNAUR DISTRICT, HIMACHAL PRADESH, INDIA	Prof. Pallavi Chattopadhyay Prof. H. K. Sachan	Prof. Divya Prakash, IIT (BHU) Varanasi Prof. M. Jayananda, Univ. of Hyderabad, Hyderabad	11.02.22

08 AUG 2022

82	Ms. Kshetrimayum Premi Devi	ES	PETROGENESIS OF MANTLE ROCKS AND CHROMITE ORE, MANIPUR OPHIOLITE COMPLEX, INDIA	Prof. A. K. Sen Prof. A. K. Saraf Prof. A. Krishnakanta Singh	Prof. Ralf Halama, Keele University, UK Prof. Emilio Saccani, Univ. of Ferrara, Italy	13.05.22
83	Mr. Manoj Sood	HRE	DEVELOPMENT OF MODEL FOR POTENTIAL ASSESSMENT OF HYDROKINETIC ENERGY	Prof. S. K. Singal	Prof. Papantonis Dimitrios, National Technical Univ. of Athens, Greece Prof. Ujjwal K. Saha, IIT Guwahati	31.12.21
84	Ms. Kirti Goyal	HRD	DECISION SUPPORT SYSTEM FOR TREATED WASTEWATER REUSE	Prof. Arun Kumar	Prof. Prabhat Kumar Singh, IIT (BHU) Varanasi Prof. Andreas N. Angelakis, Agricultural Research Institution of Crete Iraklion, Greece	14.06.22
85	Mr. Prashant Maurya	HSS	CRITIQUING THE EMPERIAL PAST: A STUDY OF J.G. FARRELL'S EMPIRE TRIOLOGY	Prof. Nagendra Kumar	Prof. Shefali Rajamannar, Univ. of Southern California, USA Prof. Dorothea Flothow, Univ. of Salzburg, Austria	18.10.21
86	Mr. Nawazuddin Ahmed	HSS	INTERGENERATIONAL OCCUPATIONAL MOBILITY AMONG SOCIO-RELIGIOUS COMMUNITIES IN INDIA: WITH SPECIAL REFERENCE TO THE MUSLIMS	Prof. D. K. Nauriyal	Prof. Narayan C. Nayak, IIT Kharagpur Prof. Vrajaindra Upadhyay, IIT Delhi	18.10.21
87	Mr. J. Vineesh Prakash	HSS	INDIAN AUTOMOTIVE COMPONENT INDUSTRY: PROFITABILITY, R&D DETERMINANTS AND EXPORT PERFORMANCE	Prof. D. K. Naurriyal	Prof. Pulak Mishra, IIT Kharagpur Prof. Makbul Morshed Ahmad, Asian Institute of Technology, Thailand	01.02.22
88	Ms. Kannupriya	HSS	JOB DEMAND RESOURCE MODEL: PREDICTING MEANINGFUL WORK AND PSYCHOLOGICAL CAPITAL	Prof. Pooja Garg	Prof. Kamlesh Singh, IIT Delhi Prof. Tojo Thatchenkery, George Mason Univ., USA	22.02.22
89	Ms. Madhur Bhatia	HSS	BOARD GOVERNANCE, EXECUTIVE REMUNERATION AND PERFORMANCE OF INDIAN BANKS	Prof. Rachita Gulati	Prof. Aaron Yong Tan, Huddersfield Business School, UK Prof. Badri Narayan Rath, IIT Hyderabad Prof. Anup Kumar Bhandari, IIT Madras	22.03.22
90	Mr. Dinesh Kumar	HSS	THE EFFECT OF COURT CULTURE ON PERFORMANCE OF SUBORDINATE COURTS IN UTTAR PRADESH AND UTTARAKHAND	Prof. Ram Manohar Singh	Prof. Weihui Dai, Fudan University, China Prof. Kamlesh Singh, IIT Delhi Prof. Gar Yein Ng, The Univ. of Buckingham, UK	04.04.22
91	Mr. Bantayehu Tamrie Alemu	HSS	MULTIDIMENSIONAL RURAL POVERTY ACROSS AGROECOLOGIES IN ETHIOPIA: EVIDENCE FROM THE THREE DISTRICTS	Prof. S. P. Singh	Prof. Murali Prasad Panta, IIT Kanpur Prof. Talent Zwane, University of Johannesburg, South Africa	06.05.22

08 AUG 2022

92	Mr. Hiranmayakaparthi Ramadugu	HSS	PERCIEVED ETHICAL CLIMATE AND WORKPLACE DEVIANCE: ROLE OF EMOTIONAL INTELLIGENCE	Prof. M. K. Asthana Prof. Renu Rastogi	Prof. Kamlesh Singh, IIT Delhi Prof. Tojo Thatchenkery, George Mason Univ., USA Prof. Shikha Dixit, IIT Kanpur	30.05.22
93	Ms. Anooja Thomas	HY	WATER UPTAKE BY PLANTS UNDER VARYING SOIL MOISTURE CONDITIONS: AN EXPERIMENTAL AND NUMERICAL STUDY FOR UNRAVELING COMPENSATED ROOT WATER UPTAKE AND HYDRAULIC REDISTRIBUTION	Prof. Brijesh K. Yadav	Prof. Suresh A. Kartha, IIT Guwahati Prof. Satyendra Narayan, Sheridan Institute of Tech., Canada	01.02.22
94	Mr. Jitendra Kumar Vyas	HY	NON-CONTACT DISCHARGE ESTIMATION USING ENTROPY THEORY	Prof. M. Perumal Prof. B. K. Yadav Dr. T. Moramarco	Prof. Nagesh Kumar, Professor, IISc Bangalore Prof. Vijay P. Singh, Texas A&M University, USA	05.05.22
95	Mr. Raj Kumar	MA	ON CYCLIC CODES AND DUADIC CODES OVER SOME FINITE RINGS	Prof. Maheshanand	Prof. Om Prakash, IIT Patna Prof. Nuh Aydin, Kenyon College, USA	12.10.21
96	Mr. Sanjay Kumar	MA	RBFS BASED MESHFREE METHODS FOR SIMULATION OF SOME PARABOLIC PARTIAL DIFFERENTIAL EQUATIONS	Prof. Ram Jaiwari Prof. R. C. Mittal	Prof. Jitendra Kumar, IIT Kharagpur Prof. Wenyuan Liao, University of Calgary, Canada Prof. Mehmet Emir Koksal, Ondokuz Mayis Univ., Turkey	13.10.21
97	Mr. Arshan Khan	MA	STABILITY OF NON-ISOTHERMAL PARALLEL FLOW IN VERTICAL ANNULUS	Prof. P. Bera	Prof. V. Shankar, IIT Kanpur Prof. R. Usha, IIT Madras	10.11.21
98	Ms. Charul Rajput	MA	ON SOME CONSTRUCTIONS OF LOCALLY RECOVERABLE CODES	Prof. Maheshanand	Prof. Sihem Mesnager, Univ. of Paris VII, France Prof. Edgar Martinez-Moro, Univ. of Valladolid, Spain	02.03.22
99	Mr. Gaurav Mittal	MA	REGULARIZATION FOR NON LINEAR INVERSE PROBLEMS VIA STABILITY CONSTRAINTS	Prof. Ankik Kumar Giri	Prof. Michael Grinfeld, Univ. of Strathclyde, UK Prof. Sampath Sivananthan, IIT Delhi	05.05.22
100	Mr. Tsegaye Kebede Irena	MA	DYNAMICAL MODELS FOR THE TRANSMISSION OF INFECTIOUS DISEASES AND RELEVANT CO-INFECTIONS	Prof. Sunita Gakkhar Prof. Ankik Kumar Giri	Prof. A. K. Misra, IIT (BHU) Varanasi Prof. Konstantin Blyuss, University of Sussex, UK Prof. Nitu Kumari, IIT Mandi	19.05.22
101	Mr. Jitendra Kumar Singh	MA	APPROXIMATION OF CONTINUOUS FUNCTIONS BY POSITIVE LINEAR OPERATORS	Prof. P. N. Agarwal Prof. D. N. Pandey	Prof. Arya Kumar Bedabrata Chand, IIT Madras Prof. H. M. Srivastava, Univ. of Victoria, Canada	24.06.22
102	Ms. Mahima	MA	NEURAL NETWORKS-BASED COMPUTATIONAL ALGORITHMS IN IMAGE PROCESSING	Prof. Sanjeev Kumar	Prof. Christian Micheloni, Univ. of Udine, Italy Prof. Gaurav Bhatnagar, IIT Jodhpur	24.06.22

08 AUG 2022

103	Ms. Scindhiya Laxmi	MA	PROXIMAL AND TWIN FUZZY SUPPORT VECTOR MACHINES FOR PATTERN CLASSIFICATION USING MATHEMATICAL PROGRAMMING APPROACH	Prof. S. K. Gupta	Prof. Suresh Chandra, IIT Delhi Prof. S. S. Appadoo, Univ. of Manitoba, Canada	30.06.22
104	Ms. Divya R	MA	BEHAVIOUR OF SOLUTIONS OF HILFER FRACTIONAL DIFFERENTIAL EQUATIONS	Prof. N. Sukavanam	Prof. V. Vetrivel, IIT Madras Prof. Juan J. Nieto, University of Santiago de Compostela, Spain	30.06.22
105	Mr. Uttam Singh Rajput	MIE	HIGH ORDER SHOCK-CAPTURING SCHEMES FOR HIGH-SPEED COMPRESSIBLE FLOWS	Prof. K. M. Singh	Prof. Eldad Avital, Queen Mary Univ. of London, UK Prof. Toshiro Matsumoto, Nagoya University, Japan	21.10.21
106	Mr. Lokesh	MIE	INTERFACIAL RECONSTRUCTION OF TAYLOR BUBBLE AND RELATED FLUIDIC BEHAVIOUR IN VESSEL EMPTYING	Prof. Arup K. Das	Prof. Yanbao Ma, Univ. of California Merced, USA Prof. Dirk Lucas, Institute of Fluid Dynamics, Germany	29.10.21
107	Mr. Divyam Aggarwal	MIE	AIRLINE CREW PAIRING OPTIMIZATION FOR LARGESCALE & COMPLEX FLIGHT NETWORKS	Prof. Dhish K. Saxena	Prof. Tapabrata Ray, Univ. of New South Wales, Australia Prof. Dilip Kumar Pratihar, IIT Kharagpur	16.11.21
108	Mr. Digvijay Singh	MIE	NUMERICAL UNDERSTANDING OF BREAKING AND MAKING PHENOMENA AROUND GAS-LIQUID INTERFACES PRODUCING MULTISCALE ENTITIES	Prof. Arup K. Das	Prof. Saptarshi Basu, IISc Bangalore Prof. Gautam Biswas, IIT Kanpur	17.11.21
109	Mr. Subrato Sarkar	MIE	FAILURE ANALYSIS OF ENGINEERING STRUCTURES USING LOCALIZING GRADIENT DAMAGE METHOD	Prof. Indra Vir Singh Prof. B. K. Mishra	Prof. Timon Rabczuk, Bauhaus Univ. of Weimar, Germany Prof. Tinh Quoc Bui, Tokyo Institute of Tech., Japan	24.11.21
110	Mr. Vivek Parmar	MIE	DIAGNOSTICS OF SELF-ALIGNING ROLLING-ELEMENT BEARING	Prof. V. H. Saran Prof. S. P. Harsha	Prof. S. K. Dwivedy, IIT Guwahati Prof. D. Dane Quinn, The University of Akron, USA	01.12.21
111	Mr. Patil Ajeet Pandurang	MIE	DIAGNOSIS OF ROLLING ELEMENT BEARING USING VIBRATION AND ACOUSTIC EMISSION SIGNALS	Prof. S. P. Harsha Prof. B. K. Mishra	Prof. Rajnesh Tyagi, IIT (BHU) Varanasi Prof. D. Dane Quinn, The University of Akron, USA	01.12.21
112	Mr. Krishnkant Sahu	MIE	A STUDY ON THE PERFORMANCE OF SLOT ENTRY HYBRID JOURNAL BEARINGS	Prof. S. C. Sharma	Prof. Rakesh Kumar Gupta, IIT (BHU) Varanasi Prof. Dae-Eun Kim, Yonsei Univ., South Korea	03.12.21
113	Ms. Akriti Masoom	MIE	SOLAR RESOURCE FORECASTING AND PLANNING USING REMOTE SENSING AND PHYSICAL MODELING	Prof. Ankit Bansal	Prof. Jan Kleissl, University of California, USA Prof. Alkiviadis Bais, Aristotle University of Thessaloniki, Greece	10.12.21

08 AUG 2022

114	Mr. Mahesh Kumar Tiwari	MIE	STUDIES ON DIESEL FIRE IN A COMPARTMENT UNDER DIFFERENT POOL LOCATIONS	Prof. Akhilesh Gupta Prof. Ravi Kumar	Prof. Grunde Jomaas, The Univ. of Edinburgh, UK Prof. Ali S. Rangwala, Worcester Polytechnic Institute, USA Prof. Prabal Talukdar, IIT Delhi	18.01.22
115	Mr. Vaibhav Sharma	MIE	LATERAL CONDUCTION AND AEROTHERMAL CHARACTERISATION OVER A RIBBED WALL OF INTERNAL COOLING PASSAGES	Prof. Andallib Tariq	Prof. Prabal Talukdar, IIT Delhi Prof. C. Balaji, IIT Madras	31.01.22
116	Mr. Kean Ajay	MIE	A STUDY ON THE CHANNEL HEAT UP DURING POSTULATED LOCA	Prof. Ravi Kumar Prof. Akhilesh Gupta	Prof. Uwe Hampel, Technische Universitat Dresden Prof. C. Balaji, IIT Madras	11.03.22
117	Ms. Pratishtha	MIE	ACTIVATED FLUX TUNGSTEN INERT GAS WELDING OF DISSIMILAR STEELS	Prof. D. K. Dwivedi	Prof. Amitava De, Professor, IIT Bombay Prof. Leijun Li, University of Alberta, Canada	22.03.22
118	Mr. Vikas Kannojiya	MIE	DESIGN OF AXIAL AND CENTRIFUGAL PUMPS FOR LVAD AND THE HEMODYNAMICS OF A DISEASED HEART WITH SUCH PUMPS IN LOOP	Prof. Arup Kumar Das Prof. Prashant K. Das	Prof. K. Muralidhar, IIT Kanpur Prof. Keefe B.Manning, The Pennsylvania State Univ., USA	06.04.22
119	Mr. Darshan M. B.	MIE	CRITICAL AFFAIRS OF BOILING HEAT TRANSFER RELATED TO ENHANCEMENT TECHNIQUES AND INTERFACIAL INTERACTIONS	Prof. Arup Kumar Das Prof. Ravi Kumar	Prof. Atul Srivastava, IIT Bombay Prof. Dirk Lucas, Institute of Fluid Dynamics, Germany	07.04.22
120	Mr. Anuj Vats	MIE	INVESTIGATIONS ON SHAPED TUBE ELECTROLYTIC DRILLING PROCESS	Prof. Pradeep Kumar Prof. Akshay Dvivedi	Prof. Saurav Goel, London South Bank University, UK Prof. J. Paulo Davim, University of Aveiro, Portugal	26.04.22
121	Mr. Ravindra Singh Bisht	MIE	DESIGN, DYNAMICS, CONTROL AND DEVELOPMENT OF WALL-CLIMBING ROBOT	Prof. P. M. Pathak Prof. S. K. Panigrahi	Prof. Rahmani Ahmed, Centrale Lille Institute, France Prof. Ranjan Mukherjee, Michigan State Univ., USA	02.05.22
122	Mr. Patel Sachin Popatlal	MIE	AN INVESTIGATION FOR THE PERFORMANCE OF CYLINDRICAL ROLLER BEARING	Prof. S. H. Upadhyay	Prof. D. Dane Quinn, The University of Akron, USA Prof. R. Rzadkowski, The Szewalski Inst. of Fluid-Flow Machinery Polish Academy of Sci., Poland	11.05.22
123	Mr. Parbant Singh	MIE	VIBRATION SIGNATURE ANALYSIS OF ROLLER BEARING USING SOFT COMPUTING TECHNIQUES	Prof. S. P. Harsha	Prof. R. K. Pandey, IIT Delhi Prof. D. Dane Quinn, The University of Akron, USA	17.05.22
124	Mr. Tinku Kumar	MIE	AN EXPERIMENTAL AND NUMERICAL INVESTIGATION ON THE JOINING OF ALUMINIUM ALLOY AND STEEL	Prof. Navneet Arora Prof. D. V. Kiran	Prof. Ashish Kumar Nath, IIT Kharagpur Prof. S. Aravindan, IIT Delhi	30.05.22
125	Mr. Jayant Kumar	MIE	JOINING BEHAVIOUR OF NATURAL FIBER REINFORCED THERMOSET AND THERMOPLASTIC COMPOSITES	Prof. Inderdeep Singh	Prof. J. Ramkumar, IIT Kanpur Prof. Abbas S. Milani, The University of British Columbia, Canada	06.06.22

08 AUG 2022

					Prof. Krishnan Jayaraman, The Univ. of Auckland, New Zealand	
126	Mr. Ankur Sharma	MIE	DEVELOPMENT OF ZrB_2-SiC BASED HYBRID COMPOSITES WITH ADDITION OF TiC AND MgO	Prof. D. B. Karunakar	Prof. R. Jayaganthan, IIT Madras Prof. J. Ramkumar, Professor, IIT Kanpur	14.06.22
127	Mr. Amit Barnwal	MME	RECYCLING OF DISCARDED PRINTED CIRCUIT BOARDS FOR THE RECOVERY OF METALLIC VALUES	Prof. Nikhil Dhawan	Prof. Kamalesh K. Singh, IIT (BHU) Varanasi Prof. Gour Gopal Roy, IIT Kharagpur	21.10.21
128	Ms. Anshu Dubey	MME	MAGNESIUM BASED BIODEGRADABLE ORTHOPEDIC IMPLANTS	Prof. Debrupa Lahiri	Prof. Bikramjit Basu, IISc Bangalore Prof. Devesh K. Mishra, Univer. of Texas at El Paso, USA	31.12.21
129	Mr. Ashwini Kumar	MME	INVESTIGATION OF SECONDARY SOURCES FOR EXTRACTION OF ALUMINA VALUES	Prof. Nikhil Dhawan	Prof. Santanu Banerjee, IIT Bombay Prof. M. Akbar Rahamdhani, Swinburne University of Technology, Australia	02.05.22
130	Mr. Nitish Raja	MME	PROCESSING MAP AND MICROSTRUCTURAL ANALYSIS OF THERMO- MECHANICALLY PROCESSED ALUMINIUM 7068 ALLOY	Prof. B.S.S. Daniel	Prof. Manoj Gupta, NUS Singapore Prof. R. Jayaganthan, IIT Madras	01.07.22
131	Mr. Prince R.	MS	ANTECEDENTS AND CONSEQUENCES OF EMPLOYEE VOICE BEHAVIOR	Prof. A. K. Sharma Prof. M. K. Rao	Prof. Kamlesh Singh, IIT Delhi Prof. Edyta Rudawska, Univ. of Szczecin, Poland	03.03.22
132	Ms. Savita	MS	INVESTIGATING THE IMPACT OF POLITICAL UNCERTAINTY ON STOCK MARKET VOLATILITY	Prof. A. Ramesh	Prof. P. N. Ramkumar, IIM Kozhikode Prof. R. K. Amit, IIT Madras Prof. Alok Dixit, IIM Lucknow	03.03.22
133	Mr. Sourabh Kumar	MS	ANALYSIS OF SCM PRACTICES AND DISRUPTIVE TECHNOLOGIES READINESS IN INDIAN PETROLEUM INDUSTRY	Prof. M. K. Barua	Prof. Abhijeet Ghadge, Cranfield University, UK Prof. P. N. Ram, QMOMA, IIM Kozhikode Prof. Mario P. Brito, Southampton Univ. Rd, UK	11.04.22
134	MS. Aditi Bisht	MS	EMPLOYEE INVOLVEMENT CLIMATE AND WORK MOTIVATION AS PREDICTORS OF INDIVIDUAL ADAPTABILITY	Prof. Santosh Rangnekar	Prof. Susmita Mukhopadhyay, IIT Kharagpur Prof. Kiho Park, Business Administration of Hoseo University, Republic of Korea	04.05.22
135	Mr. Syed Masroor Hassan	MS	INVESTIGATING THE IMPACT OF RELIGIOSITY, CONSUMER ETHICAL BELIEFS AND ANTICIPATED GUILT ON UNETHICAL CONSUMER BEHAVIOUR	Prof. Zillur Rahman	Prof. Sangeeta Sahney, IIT Kharagpur Prof. Arti D. Kalro, SJMSM, IIT Bombay	17.05.22
136	Mr. Alok Acharya	MS	DEVELOPING A PLACE BRANDING MODEL: AN EMPIRICAL ANALYSIS USING SOURCE CREDIBILITY	Prof. Zillur Rahman	Prof. Sangeeta Sahney, IIT Kharagpur Prof. R. K. Amit, IIT Madras	19.05.22

08 AUG 2022

137	Mr. Babulal Chaudhary	NT	HYBRID POLYPROPELENE COMPOSITES: EFFECT OF TYPICAL COATINGS ON MULTI-WALLED CARBON NANOTUBES	Prof. Kaushik Pal	Prof. Vijay Kumar, Scotland Rural College, UK Prof. Bhanu Bhusan Khatua, IIT Kharagpur	02.11.21
138	Mr. Pardeep Kumar	NT	NANOMATERIALS FOR BIOSENSING AI\D MITIGATION OF XENOBIOTICS	Prof. Naveen K. Navani Prof. Sanjeev Manhas	Dr. Nitin Kumar Singhal, NAFB, Mohali Dr. R. K. Malik, ICAR-NDRI, Karnal	04.01.22
139	Mr. Vikas Yadav	PH	STRING/M-THEORY DUAL OF LARGE-N THERMAL QCD LIKE THEORIES AT INTERMEDIATE GAUGE/'T HOOFT COUPLING AND HOLOGRAPHIC PHENOMENOLOGY	Prof. Alok Mishra	Prof. Carlos Nunez, Swansea University, UK Prof. Sudhakar Panda, NISER, Odisha	24.11.21
140	Mr. Subarna Mondal	PH	INVESTIGATION OF TERRESTRIAL UPPER ATMOSPHERE USING OPTICAL TECHNIQUES	Prof. Sumanta Sarkhel	Prof. Christian V. Savigny, Univ. of Greifswald, Germany Prof. S. Gurubaran, IIG, New Mumbai	26.11.21
141	Ms. Km. Milan Singh	PH	ROLE OF MAGNETIC FIELD ON SUPERCAPACITIVE PROPERTIES OF SPINEL COBALTITES	Prof. K. L. Yadav Dr. Yogesh K. Sharma	Prof. Madhavi Srinivasan, NTU, Singapore Prof. Rajendra Singh Dhaka, IIT Delhi	10.12.21
142	Mr. Anil Kumar	PH	SHELL MODEL STUDY OF ALLOWED AND FORBIDDEN BETA DECAYS	Prof. P. C. Srivastava	Prof. J. D. Vergados, Univ. of Ioannina, Greece Prof. V. K. Brahmam Kota, PRL, Ahmedabad	02.12.21
143	Ms. Priya Srivastava	PH	KINETICS OF IONIC AND ELECTRONIC TRANSPORT AT HYBRID PEROVSKITE- LIQUID ELECTROLYTE INTERFACE	Prof. Monojit Bag	Prof. D. Venkataraman, University of Massachusetts Amherst, USA Prof. S. Ramanathan, IIT Madras	01.06.22
144	Mr. Vishal Kumar	PH	DESIGN OF OPTICAL SENSOR FOR HIGHLY SENSITIVE DETECTION OF NITROAROMATICS AND HEAVY METAL IONS	Prof. Soumitra Satapathi	Prof. Raju Kumar Gupta, IIT Kanpur Dr. Mahesh Kumar, NPL, New Delhi	27.06.22
145	Mr. Yogesh Kumar	P&PE	EFFECT OF MOLECULAR STRUCTURE AND CONCENTRATION OF STYRENE BUTADIENE STYRENE POLYMER ON THE PERFORMANCE PROPERTIES OF MODIFIED ASPHALT BINDER	Prof. Sham S. Ravindranath Prof. Praveen Kumar	Prof. Alan Carter, Ecole de Technologie Superieure, Canada Prof. Filippo Giustozzi, Royal Melbourne Institute of Tech. Univ., Australia Prof. Rajan Choudhary, IIT Guwahati	24.12.21
146	Mr. Sachin Kadian	P&PE	SULFUR DOPED GRAPHENE QUANTUM DOTS FOR BIOMEDICAL AND OPTOELECTRONICS APPLICATIONS	Prof. Gaurav Manik	Prof. Pralay Maiti, IIT (BHU) Varanasi Prof. Vivek Maheshwari, Univ. of Waterloo, Canada Prof. Sanket A. Deshmukh, Virginia Tech., USA	07.01.22
147	Ms. Pragya Gupta	P&PE	PREPARATION AND PROPERTIES OF NANOCELLULOSE BASED AEROGEL WITH PARTICULAR REFERENCE TO	Prof. Pradip Kumar Maji	Prof. Tatiana Budtova, Mines Paris Tech., France Prof. Kamal Krishna Kar, IIT Kanpur	18.05.22

08 AUG 2022

			SUPER THERMAL INSULATION APPLICATION			
148	Ms. Divya R	P&PE	INFLUENCE OF SELF-HEALING IONOMER ON POLYMER WASTE MANAGEMENT: STRUCTURE AND PROPERTY CORRELATION	Prof. Pradip Kumar Maji	Prof. Santanu Chattopadhyay, IIT Kharagpur Prof. A. Kathuria, California Polytechnic State Univ., USA	18.05.22
149	Mr. Rupam Gogi	P&PE	DEVELOPMENT OF LIGHT-WEIGHT HIGH-STRENGTH HYBRID POLYPROPYLENE COMPOSITES	Prof. Gaurav Manik	Prof. Kinsuk Naskar, IIT kharagpur Prof. Sanket A. Deshmukh, Virginia Tech., USA	20.06.22
150	Mr. Kuldeep Narayan Tripathi	PT	DEVELOPMENT OF TRUST- BASED AUTHENTICATION ALGORITHMS FOR SECURITY ENHANCEMENT AND IMPROVED DATA DISSEMINATION IN VANET	Prof. S. C. Sharma	Prof. Ravi Shankar Singh, IIT (BHU), Varanasi Prof. Gautam Srivastava, Brandon Univ., Canada	28.06.22
151	Ms. Indrasena Ghosh	PT	NATURAL BIOPOLYMER BASED COMPOSITE FILLERS AND ITS POTENTIAL APPLICATION IN PAPER MAKING	Prof. Chhaya Sharma	Prof. Vimal Katiyar, IIT Guwahati Prof. Steven Keller, Miami University, USA	01.07.22
152	Mr. Raja Ram Semwal	WRDM	DESIGN AND OPERATIONAL CHALLENGES IN VARIABLE SPEED PUMPED STORAGE PLANT	Prof. Thanga Raj Chelliah Dr. D. L. Bhatt	Prof. K. Shanti Swarup, IIT Madras Prof. Bhim Singh, IIT Delhi	24.09.21
153	Mr. Lakhwinder Singh	WRDM	REMOTE SENSING GIS BASED MACHINE LEARNING AND WEB APPROACHES FOR URBAN HYDROLOGICAL ASSESSMENT CONSIDERING LANDUSE AND CLIMATE CHANGE	Prof. Deepak Khare Dr. Prabhash K. Mishra	Prof. Arup Kumar Sarma, IIT Guwahati Prof. Qin Xiaosheng, Nanyang Tech. Univ., Singapore	26.11.21
154	Ms. Rupesh Kumari	WRDM	'DESIGN AND EXPERIMENTAL INVESTIGATION OF ROBUST CONTROL TECHNIQUES FOR RELIABLE AND SECURED OPERATION OF HYDRO GENERATING EQUIPMENT	Prof. Thanga Raj Chelliah	Prof. Alessandro Soldati, Universita Di Parma (Unipr) Parco Area Delle, Italy Prof. K. Shanti Swarup, IIT Madras	17.01.22
155	Mr. Henok Mekonnen Aragaw	WRDM	MODELING OF HYDROLOGICAL RESPONSES TO LAND USE/LAND COVER AND CLIMATE CHANGES	Prof. S. K. Mishra Dr. M. K. Goel	Prof. Venkatesh Merwde, Purdue University, US Prof. Kamlesh Narayan Tiwari, IIT Kharagpur	04.04.22
156	Ms. Priyanka Gunjan	WRDM	COMPREHENSIVE HYDROLOGIC IMPACT ASSESSMENT OF LAND USE/ LAND COVER AND CLIMATE CHANGE	Prof. S. K. Mishra Dr. A. K. Lohani	Prof. A. K. Gosain, IIT Delhi Prof. Chandranath Chatterjee, IIT Kharagpur	11.07.22

08 AUG 2022