

सीनेट की उन्नासवीं बैठक का कार्यवृत्त  
MINUTES OF THE 79<sup>th</sup> MEETING OF THE SENATE

19 जुलाई 2019  
19<sup>th</sup> JULY 2019



भारतीय प्रौद्योगिकी संस्थान रुड़की  
रुड़की – 247 667 (भारत)  
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE  
ROORKEE – 247 667 (INDIA)

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**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE  
MEETING SECTION**



**Minutes of the 79<sup>th</sup> Meeting of the Senate held on 19.07.2019 at 4.00 P.M. in the Senate Hall of the Institute.**

The lists of participants and the members who had informed of their inability to attend the meeting are appended at **Annexure-I** and **Annexure-II**, respectively.

At the outset, the Chairman welcomed the members.

The Chairman thanked and placed on record the valuable contributions of the outgoing member Prof. P.N. Agarwal in the meetings of the Senate. The Chairman informed the House that this year, for the first time the Opening Rank of the Institute in JEE (Adv.) is in the top 250. The House welcomed this development.

The agenda was then taken up.

**Item No. 79.1: To confirm the minutes of the 77<sup>th</sup> (Special) and 78<sup>th</sup> meetings of the Senate held on 01.03.2019 and 10.04.2019, respectively.**

Comments received from a member were considered under item 79.16. The Senate confirmed the minutes as circulated vide e-mail dated 11.06.2019.

**Item No. 78.2: To report on the actions taken to implement the decisions of the Senate taken in its 77<sup>th</sup> (Special) and 78<sup>th</sup> meetings held on 01.03.2019 and 10.04.2019, respectively.**

The Senate noted the actions taken on the minutes.

**Item No. 79.3: To consider the proposal of admission in Dual Degree programme of B.Tech. students who are eligible for M.Tech. in that branch.**

The Senate approved the proposal.

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**Item No. 79.4:** To consider the proposal of Department of Physics for some minor restructuring in the programme structures of M.Tech. (SSEM) and M.Tech. (Photonics) and syllabus of two courses of M.Tech. (Photonics).

The Senate approved the proposal.

**Item No. 79.5:** To consider the proposal of Department of Electronics and Communication Engineering for restructuring in the programme structure of M.Tech. (Microelectronics/VLSI) and to introduce a new PCC Course.

The Senate approved the proposal.

**Item No. 79.6:** To consider the request of Mr. Shrey Agrawal to rejoin the Ph.D. programme in Department of Metallurgical and Materials Engineering.

The Senate accepted the request of Mr. Shrey Agrawal.

**Item No. 79.7:** To consider the requests of some students regarding continuation of programme in spite of not fulfilling minimum CGPA/ extension beyond permissible limit/continuation of programme in spite of not fulfilling minimum earned credit requirement.

**Category-A:**

The Senate accepted the requests of the following students as in the proposal for continuation of programme:

1. Mr. Subodh Thackray (Enr. No. 18513010), M.Tech. (AH), I Year
2. Mr. Sanjeev Kumar Chaudhari (Enr. No. 18531014), M.Tech. (EC), I Year
3. Ms. Heena Rawat (Enr. No. 18524005), M.Tech. (CE), I Year

**Category-B:**

The Senate accepted the requests of the following students for extension beyond permissible limit:



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1. Mr. A. Ravi Teja (Enr. No. 11213001), IDD (EC), V Year
2. Mr. Rahul Kumar (Enr. No. 12115077), B.Tech. (EE), IV Year
3. Mr. Aditya V.S. Gehlot (Enr. No. 12115007), B.Tech. (EE), IV Year
4. Mr. Rajkumar Bagaria (Enr. No. 12117058), B.Tech. (EE), IV Year

The student at Sl. No. 3 be given extension of one semester at a time and any further extension would be subject to earning a minimum of 18 credits with 4.00 SGPA in the immediate preceding semester, failing which his name would be struck-off from Institute rolls.

#### **Category-C:**

The Senate accepted the requests of the following students for continuation of programme:

1. Mr. S. Kirubananth (Enr. No. 15116045), B.Tech. (EC), IV Year
2. Mr. Padam Singh (Enr. No. 16115080), B.Tech. (EE), III Year
3. Mr. Sudhir Balakrishnan (Enr. No. 17122027), B.Tech. (PH), II Year
4. Mr. Yuvraj Pratap Singh Thakur (Enr. No. 15116076), B.Tech.(EC), III Year
5. Mr. Avesh Badal (Enr. No. 15117015), B.Tech. (ME), III Year
6. Mr. Nitish Gautam (Enr. No. 18122015), B.Tech. (PH), I Year
7. Md. Afham Aqdam (Enr. No. 18410013), Int. M.Tech. (ES), I Year

Provided that the student at Sl. No. 2 submits the fitness certificate from AIIMS/Medical Board. The continuation of the programme of students at Sl. Nos. 4 and 5 would be subject to earning minimum 18 credits with 4.00 SGPA in autumn semester 2019-20, failing which their names would be struck-off from Institute rolls. The continuation of the programme of students at Sl. Nos. 6 and 7 would subject to earning minimum 14

credits with 4.00 SGPA in autumn semester 2019-20, failing which their names would be struck-off from Institute rolls.

Dean of Students' Welfare is advised to get arranged suitable accommodation for the parents of the students at Sl. Nos. C3, C6 and C7. Further, Associate Dean of Students' Welfare (Students Wellness) may arrange counselling sessions for the students at Sl. Nos. B1, B3, C3, C5, C6 and C7.

The Departments are advised to help the above students in the selection of courses to be registered.

**Item No. 79.8: To consider the request of Mr. Alvin Reddy (Enr. No. 18537020), P.G. Diploma (Hydrology) for awarding Diploma.**

The Senate accepted the request of Mr. Alvin Reddy.

**Item No. 79.9: To consider the proposal of Department of Electronics and Communication Engineering for restructuring in the programme structure of M. Tech. (RF and Microwave Engg.)**

The Senate approved the proposal.

**Item No. 79.10: To consider the revision of the Regulation on 'Termination of Enrolment'- Due to Absence (No. 33(A) for UG & No. 29(A) for PG) in the Academic Programme Regulations.**

The Senate approved the revision of the said Regulation as below:

If a student is reported absent without information from a course for more than two weeks by the Course Coordinator through Head of the concerned department, the Academic Section will issue a warning letter to the student with a copy to the concerned parents.

If the student still continues to remain absent for another two weeks without information, the Academic Section will drop the name of the student from the course. The student's semester will be dropped in case of such absence from all the registered courses.



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**Item No. 79.11: To consider the proposal of Department of Humanities and Social Sciences to replace the existing course HSN-002 (Ethics and Self Awareness) by new course "Introduction to Psychology".**

The Senate approved the proposal with the flexibility to the Department to retain/modify/drop the unit at S. No.6. In case the Department modifies the course contents with respect to the unit at Sl. No. 6, the same be circulated to [faculty-iitr@iitr.ac.in](mailto:faculty-iitr@iitr.ac.in)

**Item No. 79.12: To consider the request of student regarding extension beyond permissible limit.**

The Senate accepted the request of Mr. Labhesh Dudi, B.Tech. (CS) IV year student and decided to give extension of one semester at a time. Further extension would be subject to earning minimum 18 credits with 4.00 SGPA in autumn semester 2019-20, failing which his name would be struck-off from Institute rolls.

**Item No. 79.13: To consider organizing Interim Convocation.**

The Senate approved the proposal for two Convocations in a year, namely:

- (i) Annual Convocation
- (ii) Autumn Convocation

All procedures for Convocation will remain the same.

**Item No. 79.14: To consider placing Digital signature on the Degree of students.**

The Senate approved the proposal. However, it will be implemented only after all the modalities are taken care of by the Academic Affairs office and the Registrar office.

**Item No.79.15: To consider the requests of Ph.D. students for extension of thesis submission beyond stipulated period of time.**

The Senate allowed the students to submit their theses upto 31<sup>st</sup> December 2019.



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**Item No.79.16: To consider the continuation of Institute Assistantship to Ph.D. students, including through sponsored projects, who were admitted during the period when requirement of NET/GATE was made "NOT MANDATORY".**

The Senate accepted the proposal of continuing Institute Assistantship to Ph.D. students who were admitted during the period when the requirement of NET/GATE was not mandatory.

The Senate also decided that candidates without NET/GATE who have joined a project after 28.12.2017 and by 18.03.2019 will be allowed to seek admission in the Ph.D. programme upto the end of the current semester if they are selected through a duly constituted six members committee, including two DRC members from the admitting department. Institute Assistantship for such candidates will be admissible as per the provisions prevailing till 18.03.2019.

**Item No.79.17: To report the modified Provisional Degree Certificate issued to Ph.D. students.**

The Senate noted the item and suggested a few modifications. The modified certificate is given in **Appendix-A.**

**UNDER ANY OTHER ITEM:**

**Item No. 79.18: To consider the PG Regulation point no. (b) under the clause no. 30 regarding admission of a candidate who leaves/discontinues his/her study in M.Tech./M.Sc./MBA/M.Arch./MURP Programmes.**

The Senate decided that in the PG Regulations, point no. (b) under the clause 30 be dropped.

**Item No. 79.19: To consider the seat matrix for implementing 10% EWS reservation for admission in 2 year M.Sc. programme through JAM from the session 2020-21 onwards.**

The Senate approved the proposal as given in **Appendix-B.**

**Item No. 79.20: To ratify the award of provisional Ph.D. Degree certificates to the students who have completed the requirements for the award of Ph.D. Degree in various disciplines from April 2019 to date.**

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

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

## Annexure-I

Following were present:

1.	Prof. Ajit K. Chaturvedi	Director & Chairman
2.	Prof. M. Parida	Deputy Director
3.	Prof. V. Devadas	(Architecture & Planning)
4.	Prof. Ila Gupta	(Architecture & Planning)
5.	Prof. Mahua Mukherjee	(Architecture & Planning)
6.	Prof. Pushplata	(Architecture & Planning)
7.	Prof. Bijan Choudhary	(Biotechnology)
8.	Prof. Sanjay Ghosh	(Biotechnology)
9.	Prof. Pravindra Kumar	(Biotechnology)
10.	Prof. Ramasare Prasad	(Biotechnology)
11.	Prof. Ashwani Kumar Sharma	(Biotechnology)
12.	Prof. R.P. Singh	(Biotechnology)
13.	Prof. P.P. Kundu	(Chemical Engineering)
14.	Prof. C.B. Majumdar	(Chemical Engineering)
15.	Prof. Shishir Sinha	(Chemical Engineering)
16.	Prof. Bina Gupta	(Chemistry)
17.	Prof. P. Jeevanandam	(Chemistry)
18.	Prof. M.R. Maurya	(Chemistry)
19.	Prof. Mala Nath	(Chemistry)
20.	Prof. U.P. Singh	(Chemistry)
21.	Prof. Z. Ahmad	(Civil Engineering)
22.	Prof. Anupam Chakrabarti	(Civil Engineering)
23.	Prof. P.K. Garg	(Civil Engineering)
24.	Prof. R.D. Garg	(Civil Engineering)
25.	Prof. S.K. Ghosh	(Civil Engineering)
26.	Prof. P.K. Gupta	(Civil Engineering)
27.	Prof. B.R. Gurjar	(Civil Engineering)
28.	Prof. C.S.P. Ojha	(Civil Engineering)
29.	Prof. Rajat Rastogi	(Civil Engineering)
30.	Prof. Umesh K. Sharma	(Civil Engineering)
31.	Prof. Mahendra Singh	(Civil Engineering)
32.	Prof. Akhil Upadhyay	(Civil Engineering)
33.	Prof. Durga Toshniwal	(Computer Science & Engineering)
34.	Prof. Pankaj Agarwal	(Earthquake Engineering)
35.	Prof. B.K. Maheshwari	(Earthquake Engineering)
36.	Prof. G.J. Chakrapani	(Earth Sciences)
37.	Prof. S. Mukhopadhyay	(Earth Sciences)
38.	Prof. D.C. Srivastava	(Earth Sciences)
39.	Prof. Biswarup Das	(Electrical Engineering)
40.	Prof. N.P. Padhy	(Electrical Engineering)
41.	Prof. Debashish Ghosh	(Electronics & Communication Engg.)
42.	Prof. N.P. Pathak	(Electronics & Communication Engg.)
43.	Prof. Dharmendra Singh	(Electronics & Communication Engg.)
44.	Prof. D.K. Nauriyal	(Humanities & Social Sciences)
45.	Prof. M.K. Jain	(Hydrology)

46. Prof. R.P. Saini (Hydro & Renewable Energy)
47. Prof. M.P. Sharma (Hydro & Renewable Energy)
48. Prof. Ramesh Chandra (Institute Instrumentation Centre)
49. Prof. Sunita Gakkhar (Mathematics)
50. Prof. Tanuja Srivastava (Mathematics)
51. Prof. N. Sukavanam (Mathematics)
52. Prof. Navneet Arora (Mechanical & Industrial Engg.)
53. Prof. B.K. Gandhi (Mechanical & Industrial Engg.)
54. Prof. Ravi Kumar (Mechanical & Industrial Engg.)
55. Prof. K. Murugesan (Mechanical & Industrial Engg.)
56. Prof. P.M. Pathak (Mechanical & Industrial Engg.)
57. Prof. A.K. Sharma (Mechanical & Industrial Engg.)
58. Prof. G.P. Chaudhuri (Metallurgical & Materials Engg.)
59. Prof. S.K. Nath (Metallurgical & Materials Engg.)
60. Prof. Ujjwal Prakash (Metallurgical & Materials Engg.)
61. Prof. Anjan Sil (Metallurgical & Materials Engg.)
62. Prof. Y.S. Negi (Paper Technology)
63. Prof. S.C. Sharma (Paper Technology)
64. Prof. Aalok Misra (Physics)
65. Prof. Tashi Nautiyal (Physics)
66. Prof. Vipul Rastogi (Physics)
67. Prof. Rajesh Srivastava (Physics)
68. Prof. G.D. Varma (Physics)
69. Prof. D.K. Walia (Physics)
70. Prof. K.L. Yadav (Physics)
71. Prof. M.L. Kansal (WRD&M)
72. Prof. S.K. Singhal, Head, Hydro & Renewable Energy
73. Prof. R.K. Dutta, Head, Centre of Nanotechnology
74. Prof. M.K. Barua, Head, Management Studies
75. Prof. P. Gopinath, ADOAA (Admission)
76. Prof. S.H. Upadhyay, ADOSW (Bhawans & Messes)
77. Prof. P. Arumugam, Associate Dean (International Relations)
78. Dr. C. Jayakumar, Librarian
79. Mr. Prashant Garg, Registrar & Secretary Senate



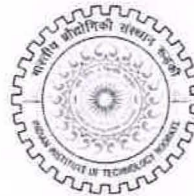
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## **Annexure-II**

### **Communication received from the following members for not attending the meeting:**

1. Prof. Kusum Deep, Dept. of Mathematics.
2. Prof. B.S.S. Daniel, Dept. of Metallurgical and Materials Engineering
3. Prof. Partha Roy, Dept. of Biotechnology
4. Prof. N.K. Samadhiya, Dept. of Civil Engineering
5. Prof. A.K. Sen, Dept. of Earth Sciences
6. Prof. Kamal Jain, Dept. of Civil Engineering
7. Prof. M.V. Kartikeyan, Dept. of Electronics Communication Engineering
8. Prof. Manish Shrikhande, Dept. of Earthquake Engineering
9. Prof. K.R. Justin Thomas, Dept. of Chemistry
10. Prof. S. Mukhopadhyay, Department of Earth Sciences
11. Prof. Nagendra Kumar, Dept. of Humanities & Social Sciences
12. Prof. S. Dasgupta, Dept. of Electronics & Communication Engineering
13. Dr. S.K. Jain, Director, NIH
14. Prof. Rama Bhargava, Dept. of Mathematics
15. Prof. G.N. Pillai, Dept. of Electrical Engineering
16. Prof. Sunil Bajpai, Dept. of Earth Sciences
17. Prof. Manish Mishra, Dept. of Mechanical & Industrial Engineering
18. Prof. R. Krishnamurthy, Dept. of Earth Sciences
19. Prof. R.K. Peddinti, Dept. of Chemistry
20. Prof. Anand Joshi, Dept. of Earth Sciences
21. Prof. Indra Vir Singh, Dept. of Mechanical & Industrial Engineering
22. Prof. Deepak Khare, Dept. of Water Resources Development & Management
23. Prof. N.K. Goel, Dept. of Hydrology
24. Prof. S.K. Mishra, Dept. of Water Resources Development & Management
25. Prof. Santosh Rangnekar, Dept. of Management Studies
26. Prof. Dharam Dutt, Dept. of Paper Technology
27. Prof. D.S. Arya, Dept. of Hydrology
28. Prof. Pradeep Bhargava, Dept. of Civil Engineering

Serial No.: \_\_\_\_\_



# INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

## PROVISIONAL DEGREE

This is to certify that

\_\_\_\_\_  
(Name of Student)

Enrollment No.: \_\_\_\_\_

has successfully defended her/his PhD thesis on DD-MM-YYYY as per Institute Rules and Regulations.

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

“ \_\_\_\_\_ ”

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**Proposed Intake for M.Sc. Through JAM-2020 including 10% EWS after increasing 25% in Intake**

S.No.	DEPTT	CODE	PROGRAMME	TOTAL-18	Increased 25%	total intake with 25% increase	GEN-OLD	GEN-NEW	GEN-EWS	OBC-OLD	OBC-NEW	SC-OLD	SC-NEW	ST-OLD	ST-NEW	PD (distribution to be followed by rotation)
1	Earth Science (ES)	1801	M.Sc. (Applied Geology)	15	4	19	8	8	2	4	5	2	3	1	1	1 Gen
2	Biotechnology (BT)	1802	M.Sc. (Biotechnology)	37	9	46	18	19	5	10	13	6	7	3	4	2 (1 Gen, 1 OBC)
3	Chemistry (CY)	1803	M.Sc. (Chemistry)	45	11	56	23	23	5	12	15	7	8	3	4	2 (1 SC, 1 ST)
4	Mathematics (MA)	1804	M.Sc. (Mathematics)	30	8	38	15	15	4	8	10	5	6	2	3	2 (1 Gen, 1 OBC)
5	Physics (PH)	1805	M.Sc. (Physics)	25	6	31	12	12	3	7	9	4	4	2	2	2 (1 SC, 1 ST)
6	Humanities & Social Sciences	1806	M.Sc. (Economics)	30	8	38	15	15	4	8	10	5	6	2	3	2 (1 Gen, 1 OBC)
	<b>Total</b>			<b>182</b>	<b>46</b>	<b>228</b>	<b>91</b>	<b>92</b>	<b>23</b>	<b>49</b>	<b>62</b>	<b>29</b>	<b>34</b>	<b>13</b>	<b>17</b>	<b>11</b>

*[Signature]*  
25/07/19

*[Signature]*  
25/7/19

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### Senate approved PDC List

Sl. No.	Name	Deptt.	Topic	Supervisor	Examiner (For./Ind.)	PDC Date
1	Ms. Seema Praliya	AR	STRATEGIES FOR SUCCESSFUL PUBLIC SPACES IN INDIAN CITIES- A MANAGEMENT DIMENSION	Prof. Pushplata	Prof. Katsunori Furuya, Chiba Univ., Japan Prof. Virendra K. Paul, SPA New Delhi Prof. Kalpana Markandey, Osmania Univ. Hyderabad	05.07.19
2	Mr. Manoj Panwar	AR	MODELLING URBAN PHYSICS FOR SUSTAINABLE DEVELOPMENT	Prof. V. Devadas Prof. Avlokita Agrawal	Prof. Anil Kashyap, Univ. of the West England, UK Prof. V. K. Dhar, NIUA, New Delhi Prof. Nand Kumar, MNIT Jaipur	15.07.19
3	Mr. Shailendra Singh Khichi	BT	STUDIES OF LIPID PRODUCTION FROM MICROALGAE FOR BIODIESEL IN FLAT PANEL PHOTOBIOREACTOR	Prof. Sanjoy Ghosh	Prof. R. H. Wijffels, Wageningen Univ., Netherlands Prof. Subir Kundu, IIT Varanasi	12.04.19
4	Ms. Anjali Malik	BT	STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF ARGINASE ENZYME FROM <i>ENTAMOEBIA HISTOLYTICA</i>	Prof. Shailly Tomar	Prof. Mahesh Narayan, Texas University, USA Prof. Manidipa Banerjee, IIT Delhi Prof. Ruchi Anand, IIT Bombay	15.05.19
5	Ms. Sonam Gupta	BT	ISOLATION, CHARACTERIZATION AND BIOMEDICAL APPLICATIONS OF BIOSURFACTANT	Prof. Vikas Pruthi	Prof. Hans-Curt Flemming, Duisburg Essen Univ., Germany Prof. Amit Kumar, IIT Indore	20.06.19
6	Mr. Hemant Kumar	CH	PREPARATION AND CHARACTERIZATION OF WATER-IN-OIL (W/O) NANO-EMULSIONS	Prof. Vimal Kumar	Prof. Christophe A. Serra, Strasbourg Univ., France Prof. V. S. Moholkar, IIT Guwahati	20.05.19
7	Mr. Aniruddha Sanyal	CH	CFD ANALYSIS OF A FLUID FLOWING PAST A PAIR OF MILDLY HEATED SIDE-BY-SIDE SQUARE CYLINDERS	Prof. Amit Dhiman	Prof. Laszlo Baranyi, Miskolc University, Hungary Prof. Atul Sharma, IIT Bombay	11.05.19
8	Mr. Ratna Sandeep Katiyar	CH	MOLECULAR SIMULATION OF POLYACRYLIC ACID PHASE BEHAVIOUR IN PHYSIOLOGICAL CONDITIONS AND ITS PERFORMANCE AS DOXORUBICIN CARRIER	Prof. P. K. Jha	Prof. Jasper Van der Gucht, Wageningen Univ., Netherlands Prof. Jayant Kumar Singh, IIT Kanpur	12.06.19
9	Ms. Smita Mondal	CH	CONVERSION OF GLYCEROL TO PROPANEDIOL USING HETEROGENOUS CATALYSTS	Prof. Prakash Biswas	Prof. Ajai K. Dalai, Saskatchewan Univ., Canada	12.06.19
10	Mr. Girdhari Lal Devnani	CH	STUDIES ON NOVEL NATURAL FIBERS AND THEIR REINFORCED EPOXY COMPOSITES	Prof. Shishir Sinha	Prof. Simant R. Upreti, Ryerson University, Canada Prof. B. K. Satapathy, IIT Delhi Prof. Santanu Chattopadhyay, IIT Kharagpur	28.06.19
11	Ms. Sneha Malhotra	CH	CFD MODELLING AND EXPERIMENTAL INVESTIGATIONS OF AIR WATER FLOW THROUGH SERPENTINE CHANNEL	Prof. Sumana Ghosh	Prof. S. G. Kandlikar, Rochester Inst. of Tech., USA Prof. Tapas K. Mandal, IIT Guwahati	17.07.19
12	Ms. Khushboo Singh	CY	NICKEL-CATALYZED SUSTAINABLE ORGANIC TRANSFORMATIONS: DIRECT ACCESS TO AMINES, PYRROLES, PYRIDINES, QUINOLINES AND GEM-BIS-SUBSTITUTED KETONES	Prof. Debasis Banerjee	Prof. Carmen Najera, Alicante University, Spain Prof. M. L. N. Rao, IIT Kanpur Prof. Anil Kumar Saikia, IIT Guwahati	09.04.19

*(Signature)*

13	Mr. Bekele Mengesha Dogie	CY	SYNTHESIS, CHARACTERIZATION AND CATALYTIC APPLICATIONS OF DIOXIDOMOLYBDENUM(VI) AND DIOXIDOURANIUM(VI) COMPLEXES	Prof. M. R. Maurya	Prof. Craig C. McLauchlan, Illinois State Univ., USA Prof. Ajay Kumar Singh, IIT Delhi Prof. Dillip Kumar Chand, IIT Madras	18.04.19
14	Ms. Kiran Mawai	CY	STUDIES ON NEW TRANSITION METAL COMPLEXES AND THEIR REACTIVITIES	Prof. Kaushik Ghosh	Prof. Isabelle Malfant, Toulouse University, France Prof. S. P. Rath, IIT Kanpur Prof. C. P. Rao, IIT Bombay	18.04.19
15	Mr. Mohd Waheed	CY	SYNTHESIS AND CHARACTERIZATION OF FLAVONE, COUMARIN, IMIDAZOLE AND ISOXAZOLE DERIVATIVES USING NOVEL CATALYSTS	Prof. Naseem Ahmed	Prof. Mushfiquddin Khan, Medical Univ. of South Carolina, USA Prof. A. T. Khan, IIT Guwahati Prof. Faiz Ahmed Khan, IIT Hyderabad	24.04.19
16	Mr. Mahd Zeeshan	CY	STUDIES OF ELECTRONIC STRUCTURE AND THERMAL PROPERTIES OF HEUSLER THERMOELECTRIC MATERIALS	Prof. Hem C. Kandpal	Prof. Eric Toberer, CSM USA Prof. Ramesh Chandra Mallik, IISc Bangalore	07.05.19
17	Ms. Komal Gupta	CY	STUDY OF RNA-MEDIATED FLUORESCING COLLOIDAL CdSe NANOSTRUCTURES – ENHANCED PHOTOPHYSICS AND MORPHOLOGICAL TRANSFORMATION INDUCED BY CONFORMATIONAL CHANGE IN RNA	Prof. Anil Kumar	Prof. Jeffery L. Coffey, Texas Christian Univ., Texas Prof. B. R. Jagirdar, IISc Bangalore Prof. Ashok Kumar Mishra, IIT Madras	15.05.19
18	Ms. Neetu Yadav	CY	DESIGN AND SYNTHESIS OF CHELATING IONOPHORES AS CHEMOSENSORS BASED ON ANALYTICAL STUDIES	Prof. M. R. Maurya Prof. A. K. Singh	Prof. Roberto Paolesse, Univ. of Rome Tor Vergata, Ita Prof. Sushil Kumar Singh, IIT Varanasi	11.06.19
19	Mr. Hariom Singh	CE	GEOSTATISTICAL COMPUTING AS WEB PROCESSING SERVICE USING OPEN SYSTEM ARCHITECTURE	Prof. R. D. Garg Dr. Harish C. Karnatak	Prof. Ashish Sharma, UNSW Sydney Prof. Bharath Haridas Aithal, IIT Kharagpur Dr. Sameer Saran, ISRO Dehradun	09.04.19
20	Mr. Anuj Tiwari	CE	3D CITY MODEL BASED ON SEMANTICS	Prof. Kamal Jain	Prof. Colin Arrowsmith, RMIT University, Australia Prof. Shishkumar Gedam, IIT Bombay Prof. Dheeraj Kumar, IIT Dhanbad	01.05.19
21	Ms. Neelam Rani	CE	WIND PRESSURE DISTRIBUTION ON MULTI-SPAN CANOPY ROOFS	Prof. Sonalisa Ray Prof. A. K. Ahuja	Prof. Rainish N. Sharma, Auckland Univ., New Zealand Prof. Sudip Talukdar, IIT Guwahati Dr. Lakshmy Arameswaran, CSIR Delhi	07.05.19
22	Mr. Ashish Gupta	CE	ANALYSIS OF RETAINING WALL AND REINFORCED SOIL WALL CONSIDERING SEISMIC WAVES	Prof. V. A. Sawant	Prof. Sanjay K. Shukla, Edith Cowan Univ., Australia Prof. Deepankar Choudhury, IIT Mumbai	07.05.19
23	Mr. Faraz Tariq	CE	CORRODED RC ELEMENTS EXPOSED TO FIRE	Prof. Pradeep Bhargava	Prof. Martin Gillie, Warwick University, UK Prof. S. K. Bhattacharyya, IIT Kharagpur	20.05.19
24	Mr. Sumant Kumar	CE	URBAN STORMWATER RUNOFF TREATMENT USING BALLASTED SAND FLOCCULATION PROCESS	Prof. A. A. Kazmi Dr. N. C. Ghosh	Prof. Fumiyuki Nakajima, Tokyo University, Japan Prof. Arvind K. Nema, IIT Delhi Prof. M. S. Mohan Kumar, IISc Bangalore	11.06.19

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25	Mr. Lalit Purohit	CSE	WEB SERVICE SELECTION BASED ON QoS PARAMETERS	Prof. Sandeep Kumar	Prof. Lorna Uden, Staffordshire University, UK Prof. Debasis Samanta, IIT Kharagpur Prof. R. B. Mishra, IIT Varanasi	26.04.19
26	Ms. Anjali Gautam	CSE	BRAIN LESION DELINEATION AND CLASSIFICATION	Prof. R. Balasubramanian	Prof. Christian Micheloni, Udine University, Italy Prof. C. Chandra Sekhar, IIT Madras	01.07.19
27	Ms. Swati Gupta	CSE	EVENT EXTRACTION FROM DIGITAL MEDIA	Prof. S. Gangopadhyay Dr. Biplab Banerjee	Prof. M. Govindaraju, Binghamton University, USA Prof. Ashish Anand, IIT Guwahati	07.06.19
28	Ms. Divya Sahgal	CTrans	REAL-TIME TRAFFIC SIGNAL CONTROL FOR INTERSECTION USING IMAGE PROCESSING	Prof. A. Ramesh	Prof. Kunwar Rajendra, Michigan State Univ., USA Dr. Mukti Advani, CSIR Delhi Prof. C. Rajendran, IIT Madras	04.06.19
29	Mr. Sourabh Jain	CTrans	INTELLIGENT TRANSPORTATION SYSTEM BASED URBAN CORRIDOR MANAGEMENT STRATEGIES	Prof. S. S. Jain Dr. Gaurav V. Jain	Prof. Alexander Skabardonis, ITS, USA Prof. Akhilesh Kumar Maurya, IIT Guwahati Prof. Sudip Kumar Roy, IIST Shibpur	24.06.19
30	Mr. Rajesh Prasad Shukla	EQ	BEARING CAPACITY OF SKIRTED FOOTING ON SLOPES	Prof. R. S. Jakka	Prof. Vijay K. Puri, Southern Illinois University, USA Prof. G. D. Dodagoudar, IIT Madras Prof. P. K. Basudhar, IIT Varanasi	09.05.19
31	Mr. Arun Prasath R.	ES	SEISMOTECTONICS OF GARHWAL HIMALAYA BETWEEN ALAKNANDA AND YAMUNA VALLEYS	Prof. Sandeep Singh Dr. Ajay Paul	Prof. Simon Klemperer, Stanford University, USA Prof. N. P. Singh, IIT Varanasi Dr. S. K. Gupta, CSIR Hyderabad	09.04.19
32	Mr. Ajit Kumar Behera	ES	SALTWATER INTRUSION MODELING IN JAGATSINGHPUR COASTAL AQUIFER SYSTEM, ODISHA	Prof. G. J. Chakrapani Dr. Sudhir Kumar	Prof. Stefan Wornlich, Ruhr-Universität Bochum, Germany Prof. Abhijit Mukherjee, IIT Kharagpur Prof. T. H. Syed, IIT Dhanbad	10.07.19
33	Mr. Prodyut Kumar Bhowmick	ES	TECTONIC ROLE IN STRUCTURE FORMATION AND SEDIMENTATION IN MUMBAI OFFSHORE BASIN	Prof. D. K. Mukhopadhyay Dr. Premanand Mishra	Prof. Michael Quinn, Consulting Geologist, US Prof. Saibal Gupta, IIT Kharagpur Prof. S. K. Biswas, ISM Mumbai	17.07.19
34	Mr. Pannala Sanjeev	EE	POWER CONTROL & MANAGEMENT OF DC MICROGRID	Prof. Pramod Agarwal Prof. N. P. Padhy	Prof. Arindam Ghosh, Curtin University, Australia Prof. Mahesh Kumar, IIT Madras	03.04.19
35	Ms. Soumi Ray	EE	BRAIN IMAGES ANALYSIS FOR SDH AND EDH TRAUMA CLASSIFICATION	Prof. R. S. Anand Prof. Vinod Kumar Prof. N. Khandelwal	Prof. Rangaraj M. Rangayyan, Calgary Univ., Canada Prof. M. K. Bhuyan, IIT Guwahati Prof. Maheshkumar h. Kolekar, IIT Patna	12.04.19
36	Mr. Narendrababu A.	EE	THREE-PHASE MULTIPOINT CLAMPED INVERTERS AND MODULATION STRATEGIES	Prof. Pramod Agarwal	Prof. Geza Joos, McGill University, Canada Prof. G. Narayanan, IISc Bangalore	11.05.19
37	Mr. Jayendra Kumar	EE	FEATURE EXTRACTION AND CLASSIFICATION OF RADIOGRAPHIC WELD IMAGES	Prof. S. P. Srivastava Prof. R. S. Anand	Prof. Dinesh Kant Kumar, RMIT University, Australia Prof. Vikram M. Gadre, IIT Bombay	04.07.19
38	Mr. Janardhana Kotturu	EE	INVESTIGATION ON POWER QUALITY IMPROVEMENT USING UPQC	Prof. Pramod Agarwal	Prof. Prasad Enjeti, Texas A&M University, USA Prof. Bhim Singh, IIT Delhi	07.06.19
39	Ms. Varsha Mishra	ECE	EXPERIMENTAL AND ANALYTICAL APPROACHES FOR THE DEVELOPMENT OF MICROWAVE ABSORBERS	Prof. Dharmendra Singh	Prof. Manoj Gupta, NUS Singapore Prof. Ajay Chakrabarty, IIT Kharagpur	03.04.19

40	Mr. Tushar Goel	ECE	PLANAR ANTENNA SOLUTIONS FOR INTER-SATELLITE LINK BASED FUTURE COMMUNICATION SYSTEMS	Prof. A. Patnaik	Prof. Y. M. M. Antar, Royal Military College, Canada Prof. Girish Kumar, IIT Bombay Prof. S. K. Koul, IIT Delhi	08.04.19
41	Mr. Gaurav Mittal	ECE	DESIGN, ANALYSIS AND CHARACTERIZATION OF TUNABLE BANDPASS FILTERS FOR 5G AND BEYOND	Prof. N. P. Pathak	Prof. Takashi Shimizu, Utsunomiya University, Japan Prof. Amit Kumar Singh, IIT Varanasi	01.05.19
42	Ms. Akanksha Garg	ECE	SYNERGETIC USE OF MICROWAVE AND OPTICAL SATELLITE DATA FOR LAND COVER CLASSIFICATION AND SURFACE PARAMETER RETRIEVAL	Prof. Dharmendra Singh	Prof. M. Chandra, Chemnitz Univ. of Tech., Germany Prof. Manoj Singh Gaur, IIT Jammu	09.05.19
43	Mr. Yuvaraj S.	ECE	INVESTIGATIONS ON MEGAWATT CLASS SUB-THz WAVE COAXIAL CAVITY GYROTRON OSCILLATORS	Prof. M. V. Kartikeyan	Prof. Francisco Falcone, Navarra University, Spain Prof. Jayanta Mukherjee, IIT Bombay Prof. M. Jaleel Akhtar, IIT Kanpur	17.05.19
44	Mr. Prashant Jaichandra Gaidhane	ECE	ENHANCED SOFT COMPUTING TECHNIQUES FOR ROBUST CONTROLLER DESIGN	Prof. P. M. Pradhan Prof. M. J. Nigam	Prof. Sharad Sharma, Bowie State University, USA Prof. S. K. Nagar, IIT Varanasi Prof. Nitin V. George, IIT Gandhinagar	20.05.19
45	Mr. Om Prakash	ECE	SILICON NANOWIRE CMOS CIRCUIT DESIGN AND RELIABILITY	Prof. S. k. Manhas	Prof. Zhou Xing, Nanyang Tech. Univ., Singapore Prof. Santanu Mahapatra, IISc Bangalore Prof. S. Jit, IIT Varanasi	24.06.19
46	Mr. Chetan Pathak	ECE	CHARACTERIZATION AND MITIGATION OF LINEAR AND NON-LINEAR DISTORTIONS IN SIX-PORT MODULATOR	Prof. Karun Rawat	Prof. Patrick Robin, The Ohio State University, USA Prof. Manav Bhatnagar, IIT Delhi Dr. Meena Mishra, DRDO Lucknow	04.06.19
47	Mr. Chandra Prakash	HRE	STUDY ON SOLAR AIR HEATER DUCT ROUGHENED WITH SPHERICAL AND INCLINED RIB PROTRUSIONS	Prof. R. P. Saini	Prof. Mohammad E. Taslim, Northeastern Univ., USA Prof. H. P. Garg, IIT Delhi	10.07.19
48	Ms. Yogisha	HSS	MAPPING THE SUBALTERN STANDPOINT: A READING OF SELECT DALIT FEMALE NARRATIVES	Prof. Nagendra Kumar	Prof. Olga V. Pchelina, Volga State Univ. of Tech., Republic Prof. M. K. Pandey, IIT Varanasi Prof. Rajni Singh, IIT Dhanbad	03.04.19
49	Mr. Man Singh	HSS	HOME AND NATION: ISSUES OF CULTURAL IDENTITY IN THE NOVELS OF AMITAV GHOSH	Prof. Rashmi Gaur	Prof. Joel Kuortti, Turku University, Finland Prof. Rajni Singh, IIT Dhanbad Prof. Sanjiv Kumar, Central University, Haryana	20.05.19
50	Ms. Amandeep Kaur	HSS	THE RURAL NON-FARM SECTOR IN INDIA: APPROACHES, LINKAGES AND GROWTH DRIVERS	Prof. S. P. Singh	Prof. Steven Haggblade, Michign State Univ., USA Prof. S. K. Bhowmik, Central Univ., Bihar	04.07.19
51	Ms. Juhi Raghuvanshi	MS	INNOVATION CAPABILITY OF MICRO ENTERPRISES IN INDIA	Prof. Rajat Agrawal Prof. P. K. Ghosh	Prof. Sudhanshu Rai, Copehagen Business School, Denmark Prof. Sushil, IIT Delhi	01.05.19
52	Mr. Neeraj Sharma	MS	ENVIRONMENTAL IMPACT INDEX FOR SMART CITIES	Prof. Rajat Agrawal	Prof. Bidit Lal Dey, Brunel University, UK Prof. Sangeeta Sahney, IIT Kharagpur Prof. Surya Prakash Singh, IIT Delhi	26.06.19

53	Mr. Varun Goel	MS	IMPROVING LABOUR PRODUCTIVITY: CHALLENGES AND SOLUTIONS IN INDIAN CONTEXT	Prof. Rajat Agrawal	Prof. Prasanta Kumar Dey, Aston University, UK Prof. Kirankumar S. Momaya, IIT Bombay	26.06.19
54	Mr. Nishant Singh	MS	WORKPLACE SPIRITUALITY AND PSYCHOLOGICAL CONTRACT AS DETERMINANTS OF EMPLOYEE COMMITMENT	Prof. S. Rangnekar	Prof. Meyonggil Gil Choi, Chug Ang University, Korea Prof. Ashwani Kumar, IIM lucknow Prof. Harsh V. Samalia, IIM Shillong	15.05.19
55	Mr. Ankur Kashyap	MS	MODELLING AND MEASURING THE CAPABILITY OF INTELLECTUAL PROPERTY CREATION IN INDIAN HIGHER EDUCATION INSTITUTES	Prof. Rajat Agrawal	Prof. Kamal N. Agarwal, Howard University, USA Prof. Sangeeta Sahney, IIT Kharagpur	21.06.19
56	Mr. Pramod Chandra	MS	A STUDY ON STRATEGIC MARKETING PROSPECTS OF MEDICINAL AND AROMATIC PLANTS OF UTTARAKHAND	Prof. Vinay Sharma	Prof. Dinesh K. Sharma, Maryland Eastern Shore Univ., USA Prof. Anirban Chakraborty, IIM Lucknow Prof. Sanjeev Prashar, IIM Raipur	10.07.19
57	Mr. Om Prakash Yadav	MA	FINITE ELEMENT ANALYSIS AND COMPUTATIONAL MODELING OF SOME NON-LINEAR PARABOLIC PDEs	Prof. Ram Jiware	Prof. Jinyun Yuan, Centro Politecnico, Brazil Prof. Mani Mehra, IIT Delhi Prof. S. Natesan, IIT Guwahati	03.04.19
58	Mr. Tajender Kumar	MA	STUDY OF QUASIGROUPS WITH CRYPTOGRAPHIC SIGNIFICANCE	Prof. S. Gangopadhyay	Prof. Pantelimon Stanica, Naval Postgraduate School, USA Prof. V. Vetrivel, IIT Madras	06.04.19
59	Mr. Sahil Kumar Dinkar	MA	DESIGN AND APPLICATIONS OF ANTLION OPTIMIZER	Prof. Kusum Deep	Prof. Seyedali Mirjalili, Griffith University, Australia Prof. N. K. Verma, IIT Kanpur Prof. Punam Bedi, DU Delhi	24.06.19
60	Mr. Vivek Kumar	MA	A STUDY OF HYDROSTATIC/HYBRID THRUST PAD BEARINGS CONSIDERING NON-LINEAR BEHAVIOUR OF LUBRICANTS	Prof. Ankik Kumar Giri	Prof. Volker John, WIAS, Germany Prof. Amiya Kumar Pani, IIT Bombay Prof. Sashikumar Ganesan, IISc Bangalore	18.06.19
61	Mr. Anand Kumar Solanki	MA	INVESTIGATIONS ON THE CONDENSATION OF REFRIGERANTS INSIDE A HELICAL COILED TUBE	Prof. Ravi Kumar	Prof. Akio Miyara, Saga University, Japan Prof. Kannan Iyer, IIT Bombay Prof. C. Balaji, IIT Madras	24.06.19
62	Mr. Vishnu Singh	MA	SOME INVESTIGATIONS IN THE AREA OF OPTIMIZATION AND IMPLICATION IN UNCERTAIN ENVIRONMENT	Prof. S. P. Yadav	Prof. Madjid Tavana, La Salle University, USA Prof. Debjani Chakraborty, IIT Kharagpur Prof. Pankaj Dutta, IIT Bombay	17.07.19
63	Mr. Dheeraj Chandra	MIE	STUDY OF VSC FOR SUSTAINABLE DEVELOPMENT OF CHILD IMMUNIZATION PROGRAM IN INDIA	Prof. Dinesh Kumar	Prof. Praveen S. Goel, Engg. & Continuous Improvement, Canada Prof. M. S. Kulkarni, IIT Bombay	28.06.19
64	Mr. Chandan Swaroop Meena	MIE	INVESTIGATION OF BOILING OVER CYLINDRICAL SURFACES AND INTERACTION BETWEEN NEIGHBORING SITES	Prof. Arup K. Das	Prof. Satish Kandlikar, Rochester Inst. of Tech., New York Prof. Prasanta K. Das, IIT Kharagpur Prof. MohdKaleem Khan, IIT Patna	02.07.19
65	Mr. Dungali Sreehari	MIE	DEVELOPMENT OF MICROCHANNELS BY MICRO-USM ON SILICON WAFER FOR HEAT TRANSFER APPLICATIONS	Prof. A. K. sharma	Prof. J. Paulo Davim, Aveiro University, Portugal Prof. Somashekhar S. Hiremath, IIT Madras	02.07.19

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66	Mr. Roshan Udaram Patil	MIE	FAILURE ANALYSIS OF BRITTLE MATERIALS USING MULTISCALE PHASE FIELD METHOD	Prof. B. K. Mishra	Prof. Timon Rabczuk, Bauhaus Univ. Weimar, Germany Prof. K. S. R. K. Murthy, IIT Guwahati Prof. B. P. Patel, IIT Delhi	07.06.19
67	Mr. Vivek Kumar	MIE	A STUDY OF HYDROSTATIC/HYBRID THRUST PAD BEARINGS CONSIDERING NON-LINEAR BEHAVIOUR OF LUBRICANTS	Prof. S. c. Sharma	Prof. Shigeka Yoshimoto, Tokyo Univ. of Sci., Japan Prof. R. K. Pandey, IIT Delhi	11.07.19
68	MS. Anjana N. Prajapati	MIE	HEAT TRANSFER CHARACTERISTICS OF MATRIX COOLING CHANNELS USING LIQUID CRYSTAL THERMOGRAPHY	Prof. A. Tariq	Prof. Phil Ligrani, Univ. of Alabama in Huntsville, USA Prof. A. M. Pradeep, IIT Bombay	16.07.19
69	Mr. Rahul Gupta	MME	IMPRESSION CREEP AND HIGH CYCLE FATIGUE BEHAVIOUR OF ULTRASONICALLY PROCESSED INSITU Al6061-Al3Ti/Al3Zr COMPOSITES	Prof. B. S. S. Daniel	Prof. T. S. Srivatsan, University of Akron, USA Prof. R. Prasad, IIT Delhi	01.05.19
70	Mr. Manoj Kumar R.	MME	DEVELOPING POLYMER BASED SURFACE MODIFIED COMPOSITE FOR DRUG ELUTING ORTHOPEDIC IMPLANTS	Prof. Debrupa Lahiri	Prof. Arvind Agarwal, Florida International Univ., USA Prof. T. S. Sampath Kumar, IIT Madras	04.07.19
71	Mr. Rahul Kumar	MME	MATERIAL FLOW ANALYSIS IN FRICTION STIR WELDING OR PROCESSING	Prof. Vivek Pancholi	Prof. Lawrence E. Murr, Univ. of Texas at El Paso, USA Prof. Satish V. Kailas, IISc Bangalore	16.07.19
72	Mr. Abhishek Acharya	NT	DEVICE-CIRCUIT INTERACTIONS IN TUNNEL FET: AN ANALOG DESIGN PERSPECTIVE	Prof. Anand Bulusu	Prof. Adrian M. Ionescu, EPFL, Switzerland Prof. Yogesh Singh Chauhan, IIT Kanpur Prof. Shreepad Karmalkar, IIT Madras	12.04.19
73	Mr. Narendra Singh	PH	SiC BASED THIN FILMS FOR ELECTRONIC DEVICE APPLICATIONS	Prof. Davinder Kaur	Prof. Thomas Thundat, Univ. at Buffalo, USA Prof. Bodh Raj Mehta, IIT Delhi	04.06.19
74	Ms. Saleheen Bano	PPE	CELLULOSE NANOCRYSTALS/POLY (ETHER ETHER KETONE) COMPOSITE MEMBRANES FOR FUEL CELL APPLICATION	Prof. Y. S. Negi	Prof. Masa-aki Kakimoto, Tokyo Inst. of Tech., Japan Prof. Veena Choudhary, IIT Delhi Dr. Prakash P. Wadgaonkar, CSIR Pune	04.06.19
75	Ms. Chandravati	PPE	CELLULOSE NANOFIBERS FROM WASTE FOREST BIO-MATERIALS AND ITS APPLICATION IN POLYMER NANOCOMPOSITES	Prof. P. K. Maji	Prof. Sudip Ray, Univ. of Auckland, New Zealand Prof. Vivek Kumar, IIT Delhi Dr. Debdatta Ratna, DRDO Maharashtra	07.06.19
76	Ms. Farha Deebea	PPE	STUDIES ON LIPID AGGLOMERATING OLEAGINOUS YEAST CRYPTOCOCCUS PSYCHROTOLERANS IITRFD IN BIODIESEL PRODUCTION	Prof. Y. S. Negi	Prof. Yanna Liang, Illinois Univ. Carbondale, USA Prof. S. N. Naik, IIT Delhi Prof. Kamal Kishore Pant, IIT Delhi	20.06.19
77	Ms. Iram Naim	PPE	ADVANCED SELECTION TECHNIQUE UNIVARIATE FORECASTING MODELS FOR SEASONAL TIME SERIES	Prof. Tripti Mahara	Prof. Charbel Jose Chiappetta Jabbour, Montpellier Business School, France Prof. Veena Bansal, IIT Kanpur Prof. Binod K. Kanaujia, JNU Delhi	17.07.19
78	Mr. Palmate Santosh Subhash	WRDM	HYDROLOGICAL MODELING TO STUDY THE INTERACTIONS OF LAND USE-CLIMATE-HYDROLOGY FOR SUSTAINABLE RIVER BASIN MANAGEMENT	Prof. Ashish Pandey	Prof. Stacy L. Hutchinson, Kansas State Univ., USA Prof. Eldho T. I., IIT Bombay	23.04.19

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79	Mr. Mohan Lal	WRDM	INVESTIGATION OF SCS-CN METHODOLOGY ON EXPERIMENTAL PLOT AND CATCHMENT SCALES	Prof. S. K. Mishra Prof. Yogendra Kumar	Prof. Ronny Berndtsson, Lund University, Sweden Prof. Eldho T. I., IIT Bombay	28.06.19
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