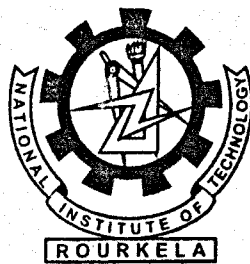


NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA

*Senate Meeting
Minutes*



MEETING No. :

DATE : 45th Senate Meeting

12.06.2013(Wednesday)

TIME : Conference Hall, CS Department

NIT., Rourkela

VENUE :

To :

Prof. Sunil K. Sarangi

Chairman, Senate &

Dept./Centre :

Director, NIT, Rourkela

**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA**

Minutes

45th Meeting of the Senate



MEETING No: 45th Senate Meeting
DATE : 12.06.2013(Wednesday)
VENUE : Conference Hall, CS Department
NIT., Rourkela

To: _____
Dept./Centre: _____



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

Minutes of the 45th meeting of the Senate of the Institute held at 9.00 A.M. on 12.06.2013
(Wednesday) in the Conference Hall, CS Department, N.I.T., Rourkela.

Members present :

1. Prof. Sunil Kr Sarangi, Director	-	Chairman, Senate
2. Er. S. K. Upadhyay, Registrar	-	Secretary, Senate
3. Prof. Sidhartha Mukhopadhyay Department of Electrical Engineering, IIT, Kharagpur – 721 302	-	Member
4. Prof. (Mrs.)Kalyani Mishra, Reader Government Autonomous College, Rourkela 769 004.	-	Member
5. Prof.(Mrs) Krishna Parmanik, BM	-	Member
6. Prof. M. Panda, CE	-	Member
7. Prof. S.P.Singh, CE	-	Member
8. Prof. S. K. Sahu, CE	-	Member
9. Prof. C.R. Patra, CE	-	Member
10. Prof. R. K. Singh, CH	-	Member
11. Prof. S.K. Rath, CS	-	Member
12. Prof. S.K. Jena, CS	-	Member
13. Prof. S. Bhattacharya, CR.	-	Member
14. Prof. B. Subudhi, EE	-	Member
15. Prof. A. Behera, MA	-	Member
16. Prof. D.G. Sahoo, MA	-	Member
17. Prof.G.K.Panda, MA	-	Member
18. Prof. Snehashish Chakravarty,MA	-	Member
19. Prof. K. C. Pati, MA	-	Member
20. Prof. R.K. Sahoo, ME	-	Member
21. Prof. S.S. Mohapatra , ME	-	Member
22. Prof. D.R.K. Parhi, ME	-	Member
23. Prof. S. K. Sahoo, ME	-	Member
24. Prof. B.C. Ray, MM	-	Member
25. Prof. B.K. Pal, MN	-	Member
26. Prof. S. Panigrahi, PH	-	Member
27. Prof. B.B. Biswal, ID	-	Member
28. Prof. H. K. Nayak, Head, MN	-	Invitee
29. Prof. S. K.Pratihari, Head, CR	-	Invitee
30. Prof. (Ms.) S. Mohanty, Head, HS	-	Invitee
31. Prof. S. Jena, Head, PH	-	Invitee
32. Prof. A. K. Turuk, Head, CS	-	Invitee
33. Prof. B. G. Mishra, Head, CY	-	Invitee
34. Prof. S. K. Patra, Head, LS	-	Invitee
35. Mr. B. Acharya, Asst. Registrar, Academic	-	Invitee
36. Mr. M.N.Anandbabu, Asst. Registrar (UG & PG),	-	Invitee
37. Sri Sidhanta Satyabrata Nayak, B. Tech, CR, Final Yr.	-	Invitee

Members Absent:

1. Prof. B. K. Mishra, Department of Chemistry, Sambalpur University, Jyoti Vihar Sambalpur, Odisha- 768019 (INDIA)	-	Member
2. Prof. K.C. Patra, CE	-	Member
3. Prof. N. Roy, CE	-	Member
4. Prof. Ranakar Jha, CE	-	Member
5. Prof. K. C. Biswal, CH	-	Member
6. Prof. P. Rath, CH	-	Member
7. Prof. S.K. Agarwal, CH	-	Member
8. Prof. B. Majhi, CS	-	Member
9. Prof. K.K. Mohapatra, EC	-	Member
10. Prof. S.K. Patra, EC	-	Member
11. Prof. S. Meher, EC	-	Member
12. Prof. P.C. Panda, EE	-	Member
13. Prof. J. K. Satapathy, EE	-	Member
14. Prof. A. K. Panda, EE	-	Member
15. Prof. B.K. Nanda, ME	-	Member
16. Prof. K.P. Maity, ME	-	Member
17. Prof. P.K. Ray, ME	-	Member
18. Prof. S. K. Acharya, ME	-	Member
19. Prof. U.K. Mohanty, MM	-	Member
20. Prof. B.B. Verma, MM	-	Member
21. Prof. S.C. Mishra, MM	-	Member
22. Prof. S. Jayanthu, MN	-	Member
23. Prof. D. P. Tripathy, MN	-	Member
24. Ms. Ishita Gupta, M. Tech, EC, 2 nd Yr.	-	Invitee

Leave of absence was approved for all members absent.

2013-45-Senate-01: Welcome to the members and invitees by the Chairman.

The Chairman welcomed all Senators and Invitees.

PART – I: WITH STUDENT INVITEES

2013-45-Senate-02: To confirm the minutes (Part – I) of 44th meeting of the Senate held on 22.05.2013 (Wednesday).

The draft minutes (Part – I) of 44th meeting of the Senate, provisionally approved by the Chairman, Senate were circulated to all members. Since no comments/suggestions on the correctness of the recording of the minutes have been received from any member, Senate confirmed the minutes.

2013-45-Senate-03: Report on Action Taken on the decision of 44th meeting (Part – I) of the Senate held on 22.05.2013.

The report on the action taken on the decisions made in the 44th meetings (Part-I) of the Senate held on 22.05.2013 was put up on the table for information of the Senate.

The Senate noted the above and set the following guidelines to be implemented in future:

- i) *2013-44-Senate-04: In the Academic Calendar, items related to Training & Placement will be deleted and accordingly revised Academic Calendar for 2013-14 will be circulated / uploaded in the website.*
- ii) *2013-44-Senate-06: The modified curriculum will be implemented from the Academic session 2014-15. Students who are in the present curriculum, they will continue with the same curriculum. When the revised curriculum will be implemented, transition issues will be addressed on case to case basis.*
- iii) *Results of deferred project works of undergraduate students will be put up to the Senate (through UGPEC) for approval along with 4th semester M.Tech results.*

[Annexure A1, Pg. No. (9)]

A. RULES, PROCEDURES, CURRICULA AND POLICY MATTERS:

2013-45-Senate-04: Report of the committee formed to look into various new programmes (UG+PG) in all departments [Deferred Item]:

The report of the committee on intake capacity and admission procedure for newly opened UG and PG programmes could not be put up on the table for consideration of the Senate.

The item was deferred.

2013-45-Senate-05: Introduction of new Open Elective courses in HS, MN, MA and LS departments:

The recommendation of UGPEC on introduction of new Open Elective courses in HS, MN, MA and LS departments were put up to the Senate in its 44th meeting. However, the Senate referred all these proposals to the Curriculum Development Committee and advised the committee to put up its recommendations (with due consideration of pre-requisites, co-requisites and exclusions) to the Senate in its next meeting for consideration.

The recommendation of the Curriculum Development Committee on introduction of new Open Elective courses in HS, MN, MA and LS departments was put up on the table for consideration of the Senate.

The Senate deliberated on the recommendation of the Curriculum Development Committee and decided as follows:

- a) *Recommendations at Sl. No. 1 & 2 were approved.*
- b) *It was observed that there were some anomalies in the recommendation at Sl. No. 3, particularly in Laboratory courses and Sessional for 7th and 8th semesters. The committee was requested to work out once again and submit the report to the next Senate meeting for approval.*
- c) *Recommendations at Sl. No. 4 & 5 were approved with following corrections:
"There will be two core courses (theory), one of 4 credits and the other of 3 credits in 7th and 8th semesters each. Accordingly, the total credits of 7th and 8th semesters of M.T. Dual Degree programmes will be 28 and 26 respectively".*
- d) *Recommendations at Sl. No. 6 & 7 were approved.*
- e) *For recommendation at Sl. No. 8, the Senate decided that after receiving the Pre-requisite, Co-requisites, Exclusions, Contents, Proper Title of the course and Suggested readings from the departments, the Curriculum Development Committee will put up a comprehensive proposal to the Senate for approval.*

Further the Senate decided that, while recommending a proposal for introduction of a new course, the department should mention clearly the following:

- i) *Estimated overlap on any other existing near equivalent course(s) across department.*
- ii) *Course content*
- iii) *Course title*
- iv) *Credit of the course*
- v) *Suggested/reference readings*
- vi) *Pre-requisites, Co-requisites and Exclusions, if any*
- vii) *No. of lecture-wise break-up of the contents*

The Curriculum Development Committee was requested to devise a format for the same and circulate to all departments.

[Annexure-A2, Pg. No (10-

2013-45-Senate-06: Mention of department name on the Degree certificate of PhD students pursuing inter-disciplinary research:

A group of PhD scholars of different departments pursuing inter-disciplinary research with qualifying degree in other branches/disciplines have represented not to mention the name of the department they have registered in, considering their career prospect.

The Senate did not approved the proposal.

[Annexure-A3, Pg. No (24-25)]

2013-45-Senate-07: Proposal for changes in the B. Tech regulations.

Proposal for changes in the B. Tech regulations was put up to the Senate for approval.

The item was deferred.

B. UNDERGRADUATE AND POST-GRADUATE STUDIES

NIL.

C. RESEARCH STUDIES:

NIL.

D. DISCIPLINE, ENDOWMENT AND STUDENT AFFAIRS

NIL.

E. MISCELLANEOUS:

NIL.

PART -II: WITHOUT STUDENT INVITEES

2013-45-Senate-08: To confirm the minutes (Part -II) of 44th meeting of the Senate held on 22.05.2013 (Wednesday).

The draft minutes (Part - II) of 44th meeting of the Senate, provisionally approved by the Chairman, Senate were circulated to all members. Since no comments/suggestions on the correctness of the recording of the minutes have been received from any member, Senate confirmed the minutes.

2013-45-Senate-09: Report on Action Taken on the decision of 44th meeting (Part - II) of the Senate held on 22.05.2013:

The report on the action taken on the decisions made in the 44th Meeting (Part - II) of the Senate held on 22.05.2013 was put up on the table for information of the Senate.

The Senate noted the above.

[Annexure A4, Pg No. (26)]

A. RULES, PROCEDURES, CURRICULA AND POLICY MATTERS:

NIL.

B. UNDERGRADUATE AND POST-GRADUATE STUDIES

2013-45-Senate-10: Publication of results of 4th semester M.Tech and approval of the list of graduating M.Tech. students:

The results of M.Tech. 4th semester examinations and approval of the list of graduating M. Tech students as recommended by PGPEC were put up on the table for the approval of the Senate.

The Senate went through the recommendations of PGPEC on results and decided in the following:

- a) *Recommendations at Sl. No. 1 & 2 of agenda discussion were approved.*
- b) *For agenda discussion at Sl. No.3, the Senate decided that while awarding grade for Research Projects, the department should mention the minimum threshold requirement for completing the project and accordingly the evaluation will be done.
There should not be any I grade for Seminar & Technical Writing courses.*
- c) *For agenda discussion at Sl. No.4, the Senate decided that students who have been awarded F grade in Seminar & Technical Writing, they should register for the course afresh in the next semester. students who have been awarded grade in Comprehensive Viva-voce, should be given another date for viva-voce and evaluation.*

[Annexure-A5, Pg No. (27)]

C. RESEARCH STUDIES:

2013-45-Senate-11: Results of Ph.D. and M.Tech.(Res) Examinations:

The following Ph.D./M.Tech.(Res) students have been provisionally awarded degrees on approval of the Chairman, Senate. This is for the information of the Senate.

Ph.D. Results:

1.	Rajni Kumari
Roll No.	507BM001
RS/Faculty	R/S
Date if award if degree	14.05.13
Foreign examiner	Prof. Christian Larroche, Blaise Pascal Univ. France.
Indian Examiner	Prof. V. S. Bisaria, IIT, Delhi Prof. Rintu Banerjee, IIT, Kharagpur
Name of Supervisor	Prof. Krishna Pramanik, BM, NIT, Rourkela
Thesis Title	Development of Hybrid Yeast Strains for the Production of Bioethanol from Lignocellulosic Biomass
2.	Surabala Mishra
Roll No.	50710002
RS/Faculty	R/S
Date of award of Degree	24.05.13
Foreign Examiner	Prof. Durga Paudyal, Iowa State University, Ames, IA50011
Indian Examiner	Prof. Anjali Kshirsagar, Univ. of Pune
Name of Supervisor	Prof. Biplab Ganguli, PH, NIT, Rourkela
Thesis Title	Structural, Electronic and Optical Properties of Chalcopyrite Type Semiconductors.

The Senate approved the results.

D. DISCIPLINE, ENDOWMENT AND STUDENT AFFAIRS

NIL.

E. MISCELLANEOUS:

2013-45-Senate-12: Proposal from Multi Disciplinary Centre on Safety, Health and Environment (MDC on SHE) for collaborative course on "M. Tech in Safety Engineering" with NIT, Rourkela.

The proposal for collaborative course on "M. Tech in Safety Engineering" with NIT, Rourkela from Multi Disciplinary Centre on Safety, Health and Environment (MDC on SHE), Bhubaneswar was enclosed in the Annexure for consideration by the Senate.

The Senate approved the proposal in principle with following suggestions:

- i) *The arrangement of classes at NIT, Rourkela and Bhubaneswar to be worked out.*
- ii) *Faculty for the programme to be decided.*
- iii) *Sharing of student fee between NIT, Rourkela and MDC on SHE, Bhubaneswar to be worked out.*

- iii) *Sharing of student fee between NIT, Rourkela and MDC on SHE Bhubaneswar to be worked out.*
- iv) *Agreement to be signed between NIT, Rourkela and MDC on SHE Bhubaneswar.*
- v) *The syllabus needs to be prepared in detail.*

[Annexure-A6, Pg. No. (33-4)]

2013-45-Senate-13: Any other matter with permission of the Chair:

- 1) **Policy on acceptance of Thesis by students with long absence during project.**

Policy on acceptance of Thesis by students with long absence during project is attached in the annexure.

[Annexure-A7, Pg. No. (41-4)]

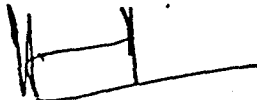
The Senate approved the proposal.

- 2) **Publication of results of Summer and Supplementary Examinations:**

Since the scheduled date for the next Senate meeting is falling on a holiday, Chairman Senate was authorized to approve the results of Summer and Supplementary Examinations.

The next meeting of the Senate will be held on 17.07.2013.

The meeting ended with thanks to the Chair.



(S. K. Upadhyay)
Registrar & Secretary, Senate



(S. K. Sarangi)
Director & Chairman, Senate

Annexure- A1

Action taken report (Part – I) : Annexure A1

Minutes Sl. No of 44th meeting	Subject	Action taken
2013-44-Senate-04	Finalization of Academic Calendar for the session 2013-14	To be put up in the website before start of Academic Session 2013-14
	Leave for students going for Summer Internship	Departments to take care after students return completing Summer Internship
	Summer course under Guided Self Study mode for final year students	Implemented
2013-44-Senate-05	Review and nomination of members for various Committees	Committees will be effective from 01/07/2013
2013-44-Senate-06	Proposed Modifications in M. Tech and Dual Degree B.Tech & M.Tech Curricula	To be implemented from the Academic Session 2014-15
2013-44-Senate-07	Report of the committee formed to look into various new programmes (UG+PG) in all departments	The item was deferred
2013-44-Senate-08	Introduction of new Open Elective courses in HS, MN, MA and LS departments	The item was referred back to the Curriculum Development Committee whose report is an agenda item in this Senate
2013-44-Senate-09	Proposal for Khorana Program Technology Transfer Course	To be implemented coming year



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA**

Minutes of Curriculum Development Committee held on 07.06.2013 in the Office Room of Prof. B. Subudhi

1. It is suggested by the Curriculum Development Committee that Departments may introduce Professional electives from 3rd Semester onwards, so that it will be uniform across all the Departments.
2. Usually students upload the different component^s of Seminar & Technical Writing course towards the evaluation for the award of grades. It is observed that without knowing the skills of preparing a presentation and technical report writing, the students upload the components. It is suggested that for this course the following points need to be taken care of:
 - i. Course Co-ordinators may impart the skills for effective preparation and presentation of slides, posters, research reports and patent search techniques.
 - ii. The students' performance should be evaluated continuously during the semester on several occasions for technical presentation, research report preparation and patent search skills instead of evaluating the uploaded documents at the end of semester where there is no scope of feedback for improvement in presentation and report writing.
3. The B.Tech course Curricula of all the Departments ^{are} is relooked and it is observed that almost all the Departments follow the following Course Structure.

	3 rd Sem	4 th Sem	5 th Sem	6 th Sem	7 th Sem	8 th Sem
Theory	5	5	5	5	4	4
Laboratory	4	4	4	4	3	3
Sessional	NA	NA	NA	NA	2	3

4. In order to avoid confusion in the course credits for M.Tech Dual Degree Programmes of the 7th Semester and 8th Semester, it is suggested that at 7th Semester all the Departments to adopt 2 Nos. of Core courses of 4 credits and 2 courses of 3 credits in 8th Semester.
5. In the Curricula for M.Tech Dual Degree there will be no course marked as B.Tech or M.Tech. A revised Curricula Structure is enclosed (Annexure-I).
6. The committee recommends all courses offered by other Departments with necessary pre-requisites can be offered as Open Electives.
7. The committee suggests the responsibility of a Teaching Assistant may be as follows.
 - i. The Research Scholars will be assigned as Teaching Assistants for 1 theory and 1 laboratory course that are handled by his Supervisor.
 - ii. A Supervisor may assign the Teaching Assistant to help him in preparation of lecture Notes and Assignment and tutorial sheets.
 - iii. Teaching Assistants will assist the supervisor in tutorial classes and will be provided with the tutorial sheets by the supervisor well in advance.

copy to : Dean Academic (UGPEC/PGPB) - 10 -

17. A teaching assistant may assist the supervisor in the preparation of lesson plans, assignments and tutorials.
5. The following Departments have requested to incorporate new open elective courses as follows:

Dept.	Sub. Code	Title of the Course	Pre-requisite	Co-requisite	Exclusions	Remarks
HS	HS 331	Ethical Leadership and Literature	NA	NA	NA	Pre-requisite to be specified
	HS 411	The Science of Praxis	NA	NA	NA	Pre-requisite to be specified
MA	MA 331	The Mathematics of Soft Computing	NA	NA	NA	Dept. is requested to include list of Essential & Supplementary Readings
	MA 427	Elementary Number Theory	NA	NA	NA	Dept. is requested to include list of Essential & Supplementary Readings
MN	MN 338	Mineral Beneficiation	NA	NA	NA	Dept. is requested to include list of Essential & Supplementary Readings
	MN 615	Geoscience of Petroleum Engineering	NA	NA	NA	Dept. is requested to include list of Essential & Supplementary Readings

The Committee feels all the above courses may be offered as Open Elective Courses.


 11/6/13
 Prof. Bidyadhar Subudhi
 Chairman, Curriculum Development Committee

DEPARTMENT NAME

Consolidation of M. Tech. Dual Degree (SPECIALIZATION)

Sl.No	Sub. Code	Subjects	L-T- P	Credits
1		Core Course	3-0-0	4
2		Core Course	3-0-0	4
3		Professional Elective	3-0-0	3
4		Professional Elective	3-0-0	3
5		Professional Elective	3-0-0	3
6		Laboratory	0-0-3	2
7		Laboratory	0-0-3	2
8		Laboratory	0-0-3	2
9		Laboratory	0-0-3	2
10		Seminar & Technical Writing – I	0-0-3	2
11		Short Term Research/Experience	0-0-0	2
TOTAL				29

Sl.No	Sub. Code	Subjects	L-T- P	Credits
1		Core Course	3-0-0	3
2		Core Course	3-0-0	3
3		Professional Elective	3-0-0	3
4		Professional Elective	3-0-0	3
5		Professional Elective	3-0-0	3
6		Laboratory	0-0-3	2
7		Laboratory	0-0-3	2
8		Laboratory	0-0-3	2
9		Laboratory	0-0-3	2
10		Seminar & Technical Writing – II	0-0-3	2
TOTAL				25

Sl.No	Sub. Code	Subjects	L-T- P	Credits
1		Professional Elective	3-0-0	3
2		Professional Elective	3-0-0	3
3		Software Laboratory	0-0-3	2
4	** 687	Seminar & Technical Writing – III	0-0-3	2
5		Research Project – I (Summer)	0-0-0	4
6		Research Project – II	0-0-0	10
TOTAL				24

Sl.No	Sub. Code	Subjects	L-T- P	Credits
1	** 692	Comprehensive Viva Voce	0-0-0	4
2	** 694	Research Project - III	0-0-0	20
3	** 688	Seminar & Technical Writing – IV	0-0-3	2
TOTAL				26

NB: ** - for respective department Code

- 12 -


 11/6/13



राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला
National Institute of Technology Rourkela

Minutes of the 43rd UGPEC meeting held at 4.30 PM on 20.05.2013 in the Board Room

The above meeting was held in the presence of Academic Programme Oversight Committee (APOC).
The following were recommended to the Senate for consideration:

Agenda discussion -1: Recommendation of UG results of Spring Semester Examinations 2012-13:
The Committee recommended the Spring Semester 2012-13 results of B.Tech, Dual Degree B Tech and M.Tech, Integrated M.Sc for approval of Senate.

Agenda discussion 2: The Result of CH-491: Research Project-1 :
Ten students were given 1 grade in CH-491: Research Project – 1 in 7th semester
(Autumn-2012-13) of the Chemical Engineering department. Their grades as submitted
by the department have been recommended to the Senate for approval. [Annexure-1]

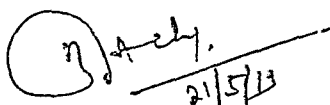
Agenda discussion -3: Results of students who have not paid semester registration fee :
It was recommended that the results of students who have not paid semester registration fees may be withheld.

Agenda discussion -4: More than one courses existing against one code :
It was observed that in some departments different Courses are existing in one Course Code. Departments may be advised to give separate Codes for separate courses and revise the same in the Course Curriculum; otherwise it will be difficult to incorporate the same in the software.

Agenda discussion -5: Increasing no. of students not attending classes :
The Committee expressed its concern in the matter that many students are either debarred in one or more courses or getting grade back due to shortage of attendance. Hence the Committee recommended to the Senate that regular psychological counselling system may be introduced in the Institute to help these students back in the main stream.

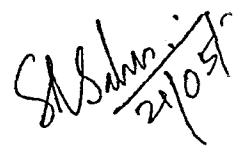
Agenda discussion -6: New Open electives in HS department :
HS department has proposed to introduced the following two Open Elective courses in the department. The details are enclosed.
HS-411: Ethical Leadership and Literature
HS-331: Sociology: The Science of Praxis
The Committee recommended that the same may be approved.

The Senate may consider the recommendations.


21/5/13

Asst.Registrar (Academic) &
Member Secretary, UGPEC

[Annexure-2]


21/05/13

Dean (AC) &
Chairman, UGPEC

Agenda Discussion-1: Discussion on New open electives course proposed by DAC, Mining Engineering department.

1. The committee discussed on the proposal submitted by the Departmental Academic Committee (DAC) of Mining Engineering department to float one new open elective **MN-338: Mineral Beneficiation** from Autumn 2013-14. After going through the content of the course, the committee felt that the course may be useful for students of other department and hence recommended the course to be approved. For the said course, students of Chemical Engineering and Ceramic Engineering departments will not be eligible.

Agenda Discussion-2: Discussion on open elective courses proposed by DAC, Mathematics.

2. The Departmental Academic Committee (DAC) of Mathematics has proposed to float two new open elective courses from Autumn 2013-14. The proposed courses are:

A) **MA-331: The Mathematics of Soft Computing**

~~B) MA-427: Elementary Number Theory~~

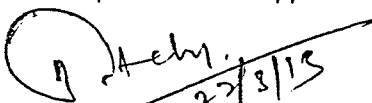
The committee went through the content of both the courses and recommended the courses to be offered from Autumn 2013-14 with following exceptions:

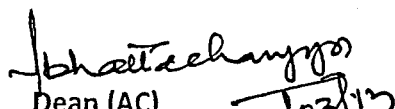
- (i) Students of CS, EC & EE will not be eligible for the course **MA-331: The Mathematics of Soft Computing**.
- (ii) No student can take more than one course among EC-440, CS-436 & MA-331 in his/her career since all these courses are similar.

Agenda Discussion-3: Allotment of open electives for the students of M.Sc. Life Science:

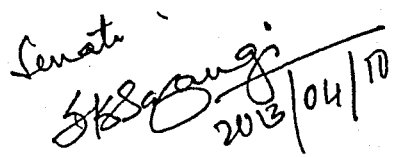
3. The allotment of open elective courses to students of M.Sc. Life Science (2 Year) was discussed based on the representations recommended by Life Science department during the open elective allotment for spring 2012-13. The committee felt that since in the said programme mostly students are coming from non-mathematical background it will be difficult for them to understand the numerical based Engineering Courses. Hence the committee recommended to identify some courses of other departments without a strong numerical base amongst Biomedical, Biotechnology, Chemistry, Ceramic & Material Science disciplines to be offered as open elective for these students, (Reference: Special approval of Director for some students of Life Science during spring 2012-13, copy enclosed).

Put up for the kind approval of the Chairman, Senate.


Asst. Registrar (AC) 27/3/13


Dean (AC) 22/03/13

TO: The Chairman, Senate

Approved. Pl put up to Senate

2013/04/10

11/11/13 11:10 AM
copy to MHA LS



National Institute of Technology, Rourkela

Humanities and Social Sciences

No. NITR/HS/HOD/12/M/
Date: 29. 04. 13



AR (Uge. PS)
M. put up to l
P. N. S.
29/4/13

Sub: Agenda note for the 44th Senate meeting

Sir,

The following may kindly be put up in the agenda of 44th Senate meeting for approval by the Senate.

Course approval may please be given for the following Open elective courses to be offered by our Dept. (Course details attached).

HS 411: Ethical Leadership and Literature (Open elective)

HS 331: Sociology: The Science of Praxis (Open elective)

Sincerely,

(HOD, HS)

To
The Registrar & Secretary, Senate

Humanities and Social Sciences

Course Title: Ethical Leadership and Literature (HS 411)

Open Elective (3-0-0)

Faculty-in-charge: Prof. Seemita Mohanty

This course looks towards literature – especially stories, plays, biography and historical accounts – to understand how ethical issues in leadership may be sensibly managed and understood. People in leadership positions face moral dilemmas throughout their careers. These may involve functional issues where the distinction between right and wrong is blurred, fluid and disputed. The aim of the course therefore is to enable students to understand the basics of moral leadership that they can apply in their professional and personal lives. Through close study of specific literary texts, supplemented with classroom debates, this course will encourage students to discuss and deliberate on the essential skills and characteristics that help create and foster ethical leadership.

Course Contents:

1. Introduction: Moral Challenge, Themes and Learning Points 2. *Endurance: Shackleton's Incredible Voyage* 3. *The Sweet Hereafter* 4. *The Remains of the Day* 5. *A Man for All Seasons* 6. *The Prince* 7. *The Secret Sharer* 8. *Truman and the Bomb* 9. *Katharine Graham: The Pentagon Papers and Watergate* 10. *American Ground: Unbuilding the World Trade Center*

Essential Reading:

1. Sucher, Sandra J. (2008). *The Moral Leader: Challenges, Tools and Insights*. New York: Routledge.

Suggested Reading:

1. Rhode, D. L. (2006). *Moral Leadership: The Theory and Practice of Power, Judgment and Policy*. California: JosseyBass
2. Maxwell, J. C. (2007). *The 21 Irrefutable Laws of Leadership: Follow them and People will Follow You*. (10th Ed.). Tennessee: Nelson.

Course Title: Sociology: The Science of Praxis (HS 331)

Open Elective (3-0-0)

Faculty-in-charge: Dr. Ngamjahao Kipger

Course Description:

This course will introduce students to Sociology – the study of society – and how the concept of society itself emerges as an object of research and analysis.

The first part of the course will cover the emergence of sociology as a scientific discipline linked to the French Revolution and the industrialization of England, the “dual revolutions” often thought of as heralding the beginning of modern society. Students will learn about the key thinkers who have contributed to the theoretical underpinnings of the field, including August Comte, Emile Durkheim, Karl Marx, and Max Weber.

The second part of the course will consider how social stratification (of gender, race, caste, etc.) became central to the study of society and in movements for social change.

Finally, in the last part of the course, the course will look at how contemporary sociologists have analyzed issues such as consumer society, the information age, and globalization.

Through core assignments (internal assessments), students will learn how to analyze texts and interpret sociological materials.

Essential Readings:

The essential materials for this course are the readings; through the readings students will understand how sociology emerges as a discipline (the historical context) and how individual sociologists analyze diverse aspects of the society. The lectures will provide the context for the readings.

All the course readings (hard copy) will be given as ‘hand-out’ to students for photocopying.

Suggested Readings:

1. *Social Stratification*, Dipankar Gupta, OUP, New Delhi, 2009
2. *Sociology: A Systematic Introduction*, Harry M. Jonson, Allied Publisher, New Delhi, 1986
3. *Sociology*, Anthony Giddens, Polity Press, UK, 2006

DEPARTMENT OF MINING ENGINEERING, NIT, ROURKELA - 8.
DEPARTMENTAL ACADEMIC COMMITTEE

Chairman, Curriculum Development Committee

Departmental Academic Committee recommends the inclusion of the following New Course in the undergraduate Syllabus:

Proposed Subject Code	Title of the proposed Subject	L-T-P	Credits	Type of the Course
MN 338	Mineral Beneficiation	3-0-0	3	Open Elective

The Course can be offered from Autumn 2013.

Detailed Syllabus of the Proposed Course is given below.

MN 338 MINERAL BENEFICIATION - 3 credits. [3-0-0]

General Principle: Mineral Beneficiation and its role in mineral exploitation.

Theory and practice of crushing and grinding, performance and choice of crushers and grinding mills.

Laboratory sizing, industrial screens and screening efficiency.

Theory and practice of classification, classifiers - their performance and choice.

Theory and application of sink and float, jigging and flowing film concentration methods and equipment used.

Flotation: Physico-chemical principles, flotation reagents, flotation machines and circuits, application to common sulphides, oxides and oxidized minerals.

Electrostatic and Electro-magnetic Separation - Principles, operations and fields of applications.


Flow Sheets: Simplified flow sheets for the beneficiation of beach sand, coal and typical ores of copper, lead, zinc and manganese with special reference to Indian deposits.

Essential Reading:

1. A. M. Gaudin, *Principles of Mineral Dressing*, Tata McGraw & Hill, 1939.
2. R. H. Richard and C. E. Locky, *A text Book on Ore Dressing*, A. A. Balkema, 2004.
3. B. A. Wills, *Mineral Processing Technology*, Willy & Sons, 2005.

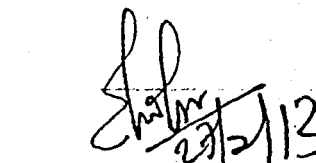
Supplementary Reading:

1. F. Taggart, *Mineral Dressing Handbook*, P & H, 2000.
2. G. C. Lowrison, *Crushing & Grinding*, Maxwell and MacMillan, 2002.
3. L. Svalovsky, *Solid Liquid Separation*, Tata McGraw & Hill Inc., 2003.

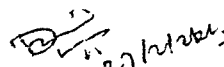

 (Prof. B. K. Pal)


 (Prof. S. Jayanthu)

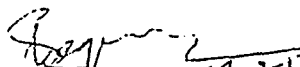

 (Prof. D. P. Tripathy)


 (Prof. M. K. Mishra)


 (Prof. H. B. Sahu)


 (Prof. D. S. Nimaje)


 (Prof. S. Chatterjee)


 (Prof. Sk. Md. Equeenuddin)


 (Prof. H. K. Naik)

HOD & Chairman, DAC(UG)

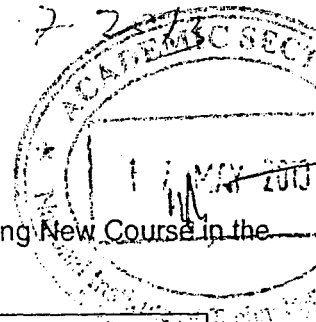
Defn not eligible.

CH, CR

Copy to: Dean (Academic) for kind information and necessary action.

2017/2/MN/AdD/31/1/17, Dtd. 17.2.2017

DEPARTMENT OF MINING ENGINEERING
DEPARTMENTAL ACADEMIC COMMITTEE



Chairman, Curriculum Development Committee

Departmental Academic Committee recommends the inclusion of the following New Course in the undergraduate and graduate Syllabus:

Proposed Subject Code	Title of the proposed Subject	L-T-P	Credits	Type of the Course
MN 615	Geoscience of Petroleum Engineering	3-0-0	3	Professional Elective

Detailed Syllabus:

MN 615 **GEOSCIENCE OF PETROLEUM ENGINEERING** Credits [3-0-0]

Petroleum Exploitation: Reservoir Types, Well Loggings, Physico-mechanical Properties of Rocks, Rock Failure Theories, Rock Porosity and Permeability, Flow of fluid through rocks, In-situ Stress and Permeability Measurement; Introduction to Oil Fields Stress around oil wells and its stability, Reservoir Modeling, Modeling Geological Continuity, Reservoir Simulation and History Matching, Modeling Uncertainty; Drilling Rigs, structure, and functions.

PICs: Dr M K Mishra and Dr S. Chatterjee

Target : Final Year B.Tech., 5th Year Dual Degree, 1st Year M.Tech. of Mining Engg

Essential Reading:-

- Bernt S. Aadnoy and Reza Looyeh, "Petroleum Rock Mechanics", Gulf Prof. Publi, UK, 2010
- Erling Fjær, Rune M. Holt, Per Horsrud, Arne M. Raaen, and Rasmus Risnes, "Petroleum related rock mechanics", Developments in Petroleum Science, ", Elsevier Publi, UK, 2008
- Caers J, Petroleum Geostatistics, Society of Petroleum Engineers, USA, 2005

Supplementary Reading:

- H. B. Bradley, Petroleum Engineering Handbook, Society of Petroleum, 1987, ISBN-10: 1555630103
- Dandekar, A. Y., Petroleum Reservoir Rock and Fluid Properties, CRC press, 2006
- Jaeger, J.C., Cook, N.C.W., and R.W. Zimmerman, 2007, Fundamentals of Rock Mechanics, Blackwell Publication, USA
- Deutsch C. V., Geostatistical Reservoir Modeling, Oxford University Press, NY, 2002

B.K.Pal
17/5/17
(Prof. B. K. Pal)

S. Jayanthu
(Prof. S. Jayanthu)

D.P.Tripathy
17/5/17
(Prof. D. P. Tripathy)

M.K.Mishra
17/5/17
(Prof. M. K. Mishra)

H.B.Sahu
(Prof. H. B. Sahu)

D.S.Nimaje
17/5/17
(Prof. D. S. Nimaje)

S. Chatterjee
consent attached
(Prof. S. Chatterjee)

Sk. Md. Equeenuddin
(Prof. Sk. Md. Equeenuddin)

H.K.Naik
HC
(Prof. H. K. Naik)

Copy to: Dean (Academic) for kind information and necessary action.

Thu, May 16, 2013 at 9:41 AM, Snehamoy Chatterjee <snehamoy@gmail.com> wrote:
Dear Sir,

Please find attached herewith slightly modified syllabus with reading books. I am giving my consent that I will be associated with the proposed Petroleum Engineering subject.

Please let me know if there is anything that I can do.

With regards,

Snehamoy

Snehamoy
5/15/13



NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA
DEPARTMENT OF MATHEMATICS

07 MAR 2013

No. NITR/MA/HOD/10/4188 DT 27-02-2013

AR (UG & PG)
May be incl
in agenda
for UG

Sub: Proposal for new open elective courses

Due to growing demand of open elective courses, the Department of Mathematics wants to introduce the following three courses in the Autumn semester.

MA-331: The Mathematics of Soft Computing

3 credits [3-0-0]

Neural Networks: Neuron, Nerve structure and synapse, Artificial Neuron and its model, activation functions, Neural network architecture: single layer and multilayer feed forward networks, recurrent networks. Various learning techniques; perception and convergence rule, Auto-associative and hetero-associative memory, Architecture: perceptron model, solution, single layer artificial neural network multilayer perception model; back propagation learning methods, effect of learning rule coefficient; back propagation algorithm, factors affecting back propagation training, applications. *Fuzzy set theory and systems:* Basic concepts of fuzzy logic, Fuzzy sets and crisp sets, Fuzzy set theory and operations, Properties of fuzzy sets, Fuzzy and crisp relations, Fuzzy to crisp conversion, Fuzzy numbers, Membership functions, inference in fuzzy logic, fuzzy if-then rules, Fuzzy implications and Fuzzy algorithms, Fuzzyfication & Defuzzification, Fuzzy controller, Industrial applications. *Genetic Algorithm:* Basic concepts, working principle, procedures of GA, flow chart of GA, Genetic representations, (encoding) Initialization and selection, Genetic operators, Mutation, Generational cycle, applications.

CS, EE, EC
not eligible
students with
only one
write
440, MA 331 and
5496

MA-427: Elementary Number Theory

3 credits [3-0-0]

Divisibility: The division algorithm, Greatest common divisors, The Euclidean algorithm, The linear Diophantine equation. *Primes and their distribution:* The fundamental theorem of arithmetic, The Sieve of Eratosthenes. *The theory of congruences:* Basic properties of congruences, Special divisibility tests, Linear congruences. *The classical milestones:* Fermat's little theorem, Pollard rho factorization method, Wilson's theorem, Pollard $p - 1$ factorization method, Euler's theorem. *Multiplicative functions:* The phi, tau and sigma functions. *Introduction to cryptology:* Shift ciphers, Affine ciphers, Hill-ciphers, Public key cryptosystems.

Essential Reading

David M. Burton, *Elementary theory of numbers 6E*, Tata McGraw-Hill Education, 2008

Supplementary Reading

Thomas Koshy, *Elementary theory of numbers with applications 2E*, Academic Press, 2007

T. Loganathan
Bappaditya Das
27/02/13

HOD

DAC(UG&PG) Members

To: ~~Prof~~ Dean (Acad.) for kind approval

Directors for kind consideration.

Dean (Ac)

Pl put up to UGPEC/ and put up.

S. S. Ganguly
2013/02/06



DEPARTMENT OF LIFE SCIENCE
National Institute of Technology, Rourkela-8

No. NITR/LS/HOD/2012/M/1293

Date: 14. 01. 2013

To
The Director
NIT Rourkela

(Subject: Request for change of OE for M.Sc. Life Science students)

Sir,
Three students of our department have been allotted Open Electives (as tabulated below) this semester. Being students of life science background, we feel that the current allotted OEs will be difficult for them to follow. Moreover, those OEs will be hardly useful in their future endeavour. Therefore, academic committee of the department is requesting you to kindly change the OEs of the following students as per the choices provided in the table.

Roll No.	Name of the Student	OE allotted	OE choices to be allotted
412LS2049	Madhusmita Panda	EC200: Fundamentals of Communication Systems	1) HS534: Natural Resource Management & Sustainable Development 2) CE302: Disaster Management 3) BM429: Materials in Medical Science
412LS2031	Preeti Acharya	CR249: Material Science & Engg.	1) HS534: Natural Resource Management & Sustainable Development 2) CE302: Disaster Management 3) BM429: Materials in Medical Science
411LS2059	Namita Panigrahi	CE214: Theory of Elasticity	1) HS534: Natural Resource Management & Sustainable Development 2) CE302: Disaster Management 3) BM429: Materials in Medical Science

I have, as a student, studied Theory of Elasticity. I am pure a biology student, barring exceptions, can not solve $\nabla \cdot \sigma = 0$.

Sincerely,

HOD-LS & Chairman of Departmental Academic Committee

Please allocate the 3 students to BM429. I have spoken to the teacher Prof S.S. Ray. He is willing. The students will get attendance credit

Copy of the earlier request to the Dean (AA), like the is enclosed here with following: The absent classes of existing courses will be added to absent classes of BM429.

cc: HOD BM

Dean AA

14.01.2013

14.01.2013

11.01.2013

To

The Dean (Academic)
(Through the H.O.D)
NIT, Raunhela.

Sir,

We, Preeti Acharya, Madhusmita panda & Namita panigrahy are the students of M.Sc Lifescience. We have got open elective subjects such as CR 249, EC 200, CE 214 respectively. As we are from biology background, it will be hard for us to follow above subjects & moreover it may not be useful in our future carrier.

Name	Roll No	O.E
412LS2031 Preeti Acharya	412LS2031 (IV)	CR 249
Madhusmita panda	412LS2099 (IV)	EC 200
Namita panigrahy	411LS2059 (IV)	CE 214.

Therefore, we request you to change the given O.E and give us O.E having match with our life science subject, it will help us to understand. Thanking you
Dean (AA)

Sir,

PI, look into the matter & provide a favourable subject. Thank you

Head of the Department
Life Science

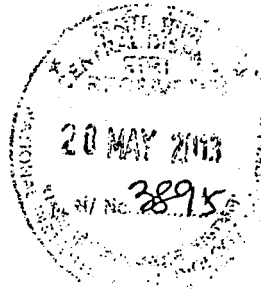
Preeti Acharya
Madhusmita panda

Namita panigrahy

Table item - 217th May, 2013

To

The Director,
National Institute of Technology
Rourkela.



Sub: Group of Ph.D. scholars – Pursuing inter-disciplinary research – Representation of concern regarding title on the degree certificate – Request – Reg.

Sir,

We, a group of Ph.D. scholars of various departments, pursuing inter-disciplinary research, submit that our parental department is different from the department where we are pursuing our Ph.D. i.e., for e.g., we acquired our UG and PG from ECE and CS departments whereas we have joined across various departments such as Mining, Chemical, Industrial Design, etc. owing to the respective departmental requirements.

Sir, we further submit that, we are concerned about our career prospects after we acquire Ph.D. degree. It is because the department name mentioned on the Ph.D. degree certificate will be different from our parental departments. There are already some instances where an inter-disciplinary researcher was not shortlisted because of the same reason. Therefore we are concerned with our future.

In this regard, we request the kindness of the Director to kindly consider any possibility of mentioning only the title of the research work without department name in the final degree certificate so that we shall not face any problems in future.

Thanking you sir

Yours sincerely,

(GROUP OF INTER-DISCIPLINARY
Ph.D. SCHOLARS)

1.

Sujevan Kumar (Ph.D.) in Chemical Engg.
512CH6010

2.

Aakash Goswami (Ph.D.) in Mining Engg. 512MN1005

3.

Arvind Yadav (Ph.D.) in Mining Engg - 512MN1006

- 24 -

P.T.O.

4. Alok Ranjan.
Alok Ranjan. Ph.D in Mining Engg.
5. Binit Kumar Balabantaray
Ph.D. in Industrial Design
6. Om Prakash Sahoo
Ph.D. in Industrial Design.
7. Shashi Kumar
Ph.D in Mining 512MN3012
8. Binaya Kumar Pattnaik
Ph.D Mining Engg Roll- 512MN1004
9. Pratyush Pratyush
10. Manasi Mohanti
11. Devendra Jais. Ph.D in Mining Engg (512MN602)
- 12.

Request

Pl put up an agenda item to Senate.

SRS

2013/05/19

Action taken report (Part – II) : Annexure A4

Minutes Sl. No of 44 th meeting	Subject	Action taken
2013-44-Senate-12	Publication of results of 2 nd , 4 th , 6 th and 8 th semesters B.Tech and Five year Integrated M.Sc., 2 nd , 4 th and 6 th semesters of Dual degree B.Tech & M.Tech and approval of the list of graduating students	Implemented
2013-44-Senate-13	Publication of results of 2 nd semester M.Tech and 2 nd & 4 th semesters M.Sc., MBA and MA in Development Studies examinations, Course work results of PhD and M.Tech (Res) students and approval of the list of graduating M.Sc., MBA and MA in Development Studies students	Implemented
2013-44-Senate-14	Recommendation of RPEC on new Enrolment, Provisional Registration, Assignment of Course works, Registration and Withdrawal of PhD and M.Tech(Res) students	Implemented
2013-44-Senate-15	Results of Ph.D. and M.Tech.(Res) Examinations	Implemented
2013-44-Senate-16	Reports on malpractice cases of End-Semester Examinations, Spring 2012-2013	Implemented
2013-44-Senate-17	Erasmus Mundas Heritage Programme	Students' movement will start in due time



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

Minutes of the 42nd PGPEC meeting held at 4.30 PM on 10.06.2013 in the Conference
Hall of the Computer Science & Engineering Department.

The above meeting was held in the presence of Academic Programme Oversight Committee (APOC).
The following were recommended to the Senate for consideration:

Agenda discussion -1: Discussion on the Policy towards the acceptance of thesis:

As per, the recent notice by the Director towards the Policy on acceptance of Thesis for Research Project; it was observed that:

- (i) 68 students had absence between 21-40 days and their thesis submission will be permitted after End-semester examination of Autumn 2013-14 and grades will be reduced by one step in Research Project. They will get degree along with 2013 graduating batch.
- (ii) 05 students had absence between 41-60. They are required to register for Autumn 2013-14 and will be permitted to submit thesis after End-semester examination of Autumn 2013-14, evaluation of which will be done along with the next batch of students.
- (iii) 32 students had more than 60 days of absence and those students are required to register afresh for the Academic Session 2013-14 for Research Project.

The list is enclosed for reference.

Agenda discussion -2: Recommendation of PG results of Spring Semester Examinations 2012-13:

- (a) The results of M. Tech, 4th semester students for Spring Semester 2012-13, were recommended to senate for approval.
- (b) It was recommended that the results of students who have not paid semester fees may be withheld.

Agenda discussion -3: Award of 'I' grades:

It was observed that few students of various departments have been awarded 'I' grade in the courses BM-694, CH-694, CS-694, EC-694, EE-688, EE-694, ME-694 & MM-694. It is not clear when these 'I' grades will be converted to a definite grade. Senate is requested to decide.

It was also observed that 'I' grade was awarded to EE-688: Seminar and Technical Writing IV in the department of Electrical Engineering.

Agenda discussion -4: Discussion on 'F' grades awarded to Comprehensive Viva and Seminar & Technical Writing by APOC.

It was observed that 'F' grades were awarded in Comprehensive Viva and Seminar & Technical Writing. While students awarded 'F' grade in Seminar & Technical Writing or Comprehensive Viva and Seminar & Technical writing would repeat the course[s], Senate is requested to decide upon students awarded with 'F' grade in Comprehensive Viva alone.

The Senate may consider the recommendations.

(Signature)
2013/06/11

Asst. Registrar (Academic) &
Member Secretary, PGPEC

(Signature)
Dean (AC) &
Chairman, PGPEC
11/06/13

S. No	Roll No	Name	Category	Attendance Approved till	Total Days of Absence
1	211BM1204	OM SHANKAR AWASTHY	M.Tech with Scholarship	Feb-13	21
2	211BM1217	RAJEEV KUMAR RANJAN	M.Tech with Scholarship	May-13	21
3	211BM2221	ARUN E V R	M.Tech with Scholarship	May-13	21
✓4	211CE2250	RIMA SAHANI	M.Tech Self financed	May-13	21
✓5	211CE4253	MANASWINEE PATNAIK	M.Tech Self financed	May-13	21
6	211CS2276	SUMAN KUMAR CHOUDHURY	M.Tech with Scholarship	May-13	21
7	211EC2081	ABHISHEK KUMAR	M.Tech with Scholarship	May-13	21
8	211EC2085	ABHISHEK MANKAR	M.Tech with Scholarship	May-13	21
9	211EE1116	OSULESU DANDU	M.Tech with Scholarship	May-13	21
10	211EE1119	KALYANI MURMU	M.Tech with Scholarship	May-13	21
11	211EE2330	CH H S RAVI TEJA	M.Tech with Scholarship	May-13	21
12	211ME1345	PAVAN RAMESH MUTALIKDESAI	M.Tech with Scholarship	May-13	21
13	211ME2351	MANOJ KUMAR MOHANTA	M.Tech with Scholarship	May-13	21
✓14	211CE2020	VINAY MOHAN AGRAWAL	M.Tech with Scholarship	May-13	22
15	211CS3290	PRATIK AGRAWAL	M.Tech with Scholarship	May-13	22
16	211EE2136	NIRUPAMA PATRA	M.Tech with Scholarship	May-13	22
17	211ME2174	NIRAJ KUMAR	M.Tech with Scholarship	May-13	22
18	211BM2003	BHATT KARAN ASHOK	M.Tech with Scholarship	May-13	23
19	211CH1259	AKASH KUMAR	M.Tech Self financed	Apr-13	23
20	211CR1042	DENNY K. PHILIP	M.Tech with Scholarship	May-13	23
21	211EC3304	VIMAL SINGH BIND	M.Tech with Scholarship	May-13	23
22	211EE1094	ATHEEQUR REHAMAN MOHAMAD	M.Tech with Scholarship	May-13	23
23	211EE1152	SAWANT SUSHANT SATISH	M.Tech with Scholarship	May-13	23
24	211EE3340	PREMANANDA PANIGRAHI	M.Tech with Scholarship	May-13	23
25	211ME2176	MAHENDRA SINGH PACHALASIYA	M.Tech with Scholarship	May-13	23
26	211MM1370	SASHI BHUSAN SATPATHY	M.Tech with Scholarship	May-13	23
✓27	211CE1227	BISHNU PADA BOSE	M.Tech Self financed	Apr-13	24
✓28	211CE1233	T SIVARAMAKRISHNA SHARMA	M.Tech Self financed	May-13	24
✓29	211CE2024	VIKAS KACHHAP	M.Tech with Scholarship	May-13	24
30	211CS1046	ROJALINI PARIJA	M.Tech QIP	Mar-13	24
31	211EE3332	RALLAPATI ADITYA	M.Tech with Scholarship	May-13	24
32	211ME2348	SHAKTI RANJAN GARANAYAK	M.Tech with Scholarship	May-13	24
33	211MM1382	MADHUSMITA MOHARANA	M.Tech Sponsored	May-13	24
34	211BM2005	ASIF KHURSHEED	M.Tech with Scholarship	May-13	24
✓35	211CE2239	NAVEEN SURE	M.Tech Self financed	May-13	24
36	211CH1264	THADELA SRINIVAS	M.Tech Self financed	Apr-13	24
37	211CS2058	LALZIRTIRA	M.Tech with Scholarship	May-13	24
38	211EC3310	ROHIT KHALKHO	M.Tech with Scholarship	May-13	24
39	211CH1258	GARIMA JAIN	M.Tech Self financed	May-13	24
40	211CS1048	ANIMA PRADHAN	M.Tech QIP	May-13	24
41	211CS2281	PIYUSH MITTAL	M.Tech with Scholarship	May-13	24
42	211EC3319	GOVINDARAJULU SIMMA	M.Tech with Scholarship	May-13	24
43	211EC4114	SAIKUMAR B	M.Tech with Scholarship	May-13	24

44	211EE1115	SUBHANKAR CHAKRABARTI	M.Tech with Scholarship	May-13	26
45	211MM1363	SHANTA MOHAPATRA	M.Tech with Scholarship	May-13	26
46	211CE2028	RAHUL V NAIR	M.Tech with Scholarship	May-13	27
47	211CH1038	SHRIRANG VISHWANATH SABDE	M.Tech with Scholarship	May-13	27
48	211CH1040	ANIL KUMAR SINGH	M.Tech with Scholarship	May-13	27
49	211CS1050	DEBADITYA ROY	M.Tech with Scholarship	May-13	27
50	211EC4101	BALAKRISHNAN C	M.Tech with Scholarship	May-13	27
51	211EE1379	CHIRANJIBI SAMAL	M.Tech Sponsored	May-13	28
52	211ME3194	NIRAJ TOPPO	M.Tech with Scholarship	May-13	28
53	211BM2014	SHENDGE AADDESHKUMAR SURESH	M.Tech with Scholarship	May-13	29
54	211CS2283	RAJENDRA PRASAD NAYAK	M.Tech with Scholarship	May-13	29
55	211CH1255	SANDEEP	M.Tech Self financed	May-13	30
56	211CH1261	SOWHM SWAIN MOHAPATRA	M.Tech Self financed	May-13	30
57	211EC2099	N PRASAD	M.Tech with Scholarship	May-13	30
58	211ME2181	NAVEEN KUMAR SUNIYA	M.Tech with Scholarship	May-13	30
59	211EE2131	SHIVANI HEMBROM	M.Tech with Scholarship	May-13	31
60	211EE1098	DONDAPATI SUNEEL VARMA	M.Tech with Scholarship	May-13	32
61	211CE2025	CHOKKARAPU RANJITH KUMAR	M.Tech with Scholarship	May-13	33
62	211CE3242	ACHUTA NANDA DEHURI	M.Tech Self financed	May-13	33
63	211CS1056	BANDARU SREENIVASA RAO	M.Tech with Scholarship	May-13	33
64	211CS3072	DEEPAK KUMAR MEENA	M.Tech with Scholarship	May-13	33
65	211EC3307	GIRISH GAUTAM	M.Tech with Scholarship	Apr-13	33
66	211MM1369	RAMA CHANDRA SARANGI	M.Tech with Scholarship	May-13	33
67	211BM2015	NIMAL T.R	M.Tech with Scholarship	May-13	36
68	211ME2203	SUSHIL KUMAR YADAV	M.Tech with Scholarship	Apr-13	36

ABSENCE OF 41-60

S. No	Roll No	Name	Category	Attendance Approved till	Total Days of Absence
1	211ME3185	MOTISH KUMAR	M.Tech with Scholarship	Apr-13	42
2	211CE3240	AMIT KUMAR DAS	M.Tech Self financed	May-13	46
3	211ME3186	SANDEEP SHRESHTH	M.Tech with Scholarship	May-13	54
4	211CE3249	ASHISH KUMAR PATNAIK	M.Tech Self financed	May-13	55

S. No	Roll No	Name	Category	Attendance Approved till	Total Days of Absence
1	211EE2135	SANTOSH KUMAR NANDA	M.Tech with Scholarship	May-13	
2	211CS1053	PARENDRA KUMAR SINGH	M.Tech with Scholarship	May-13	6
3	211EE2380	DIPAK KUMAR DASH	M.Tech Sponsored	May-13	6
4	211EC4096	SAIKINALA PRABHU	M.Tech with Scholarship	May-13	
5	211EE1327	RAJ KUMAR RANJAN	M.Tech with Scholarship	May-13	
6	211ME3357	ASUTOSH PANDA	M.Tech Sponsored	May-13	
7	211CS1272	IPSITA MINJ	M.Tech with Scholarship	May-13	
8	211ME1153	SIKANDAR KUMAR	M.Tech with Scholarship	Apr-13	
9	211EE2381	PRANGYA PARIMITA PRADHAN	M.Tech Sponsored	May-13	
10	211CS2288	BORUGADDA VENKATA PRADEEP	M.Tech with Scholarship	May-13	
11	211CS3073	PRITHVIRAJ SAHU	M.Tech with Scholarship	May-13	
12	211EE3338	ABHISHEK MADDHESHIYA	M.Tech with Scholarship	May-13	
13	211EE2141	CHOLLANGI SUBHRAMANYAM	M.Tech with Scholarship	May-13	
14	211ME3192	RAJEEV R PRASAD	M.Tech with Scholarship	May-13	
15	211BM1208	BEDAHUTI JANA	M.Tech with Scholarship	May-13	
16	211EE2133	HRUSHIKESH MEHER	M.Tech with Scholarship	May-13	
17	211EE1226	A TOSHIBA PRAVEEN KUMAR	M.Tech with Scholarship	May-13	
18	211EE2125	HARI AKULA	M.Tech with Scholarship	May-13	1
19	211ME2171	TAYYAB ISLAM	M.Tech with Scholarship	May-13	1
20	211EC4106	ABHISHEK MITRA	M.Tech with Scholarship	May-13	1
21	211MM1359	MANISH BAGWAN	M.Tech with Scholarship	May-13	1
22	211BM1219	PIYOOSH TRIPATHI	M.Tech with Scholarship	May-13	1
23	211BM1374	RASHMI ACHLA MINZ	M.Tech Self financed	May-13	1
24	211CE2022	SANJIB CHAMPATI	M.Tech with Scholarship	May-13	1
25	211EC2083	MAHESH KUMAR	M.Tech with Scholarship	May-13	1
26	211EE1092	VISHWANATH GAUR	M.Tech with Scholarship	May-13	1
27	211EE2142	SANJEET KUMAR TIRKEY	M.Tech with Scholarship	May-13	1
28	211ME3168	RAHUL KUMAR CHAURASIA	M.Tech with Scholarship	May-13	1
29	211ME3356	RASHMIRANJAN BARIK	M.Tech Sponsored	May-13	1
30	211ME3358	DEBABRATA SINGH	M.Tech Sponsored	May-13	1
31	211MM1362	PINTU KUMAR	M.Tech with Scholarship	May-13	1



**National Institute of Technology
Rourkela**

Prof. Sunil Kr Sarangi
Director

No. NITR/DR/regulation/2013/M/331
Date: June 03, 2013.

Sub: Policy on acceptance of thesis by students with long absence during project period.

I have received queries from two departments regarding any policy on acceptance on thesis by students who have been absent for long duration during their project periods. Our regulations are silent on this issue. Common sense, however, says that a thesis from a student should not be accepted if the student has been absent from the Institute for a long duration during the project period. This situation is comparable to that of long absence from classes leading to grade back or debarment as per undergraduate and postgraduate regulations.

While a proposal will be put up to the Senate for a final decision on the subject following adhoc provisions are circulated for implementation by the departments.

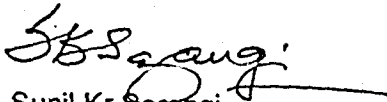
No of days absent	Earliest date of thesis submission	Additional absence permitted	Reduction of grade	Date of oral examination	Year of award of degree
0-20	Normal (along with current batch)	Not applicable	None	Normal (along with current batch)	Current year
21-40	End of Mid semester exam of following (Autumn) semester	10 days	One step	Along with current batch	Current year
41-60	End of Autumn semester (Registration required)	15 days	None	Along with next batch of students	Next year
> 60	Register afresh in Autumn +Spring of next year	20 days	Not applicable	Along with next batch of students	Next year

Contd. p/2

The period of work starts with the first day of autumn semester 2012-13 and ends on 31st May.

Assistant Registrar (Acad) is requested to review bio-metric attendance record of all 2nd year M. Tech. students and identify the students who have more than 20 days of absence during the year starting with beginning of autumn semester 2012. It may be noted that leave of absence granted for medical reasons or for attending conferences etc. will not be counted against the students. Casual leave taken by the students, if any, will count within the 20 days of absence permissible.

Heads of Departments are requested to arrange oral examination for only those students who have cumulative absence within 40 days over one year with the first day of autumn 2012-13. For other students steps recommended in table above may be implemented. No scholarship is admissible during the extension period.


Sunil Kr Sarangi

To
Dean (Academic)
✓ Copy to: AR (Acad)
All Heads of Departments and faculty members by email.
All 2nd year M. Tech. students by email.

Serial "1"

Search

H-11
31/5/13

REGISTRAR RE...R-NIT,RKL

Mail Contacts Calendar Tasks Preferences CRA Service Cha M.Tech.

Close Reply Reply to All Forward Delete Spam Actions

M.Tech. in Safety Engineering

From:

To:

M.Tech-Safety Engg..doc (319.5 KB) [Download](#) | [Remove](#)

Dear Sir,

Attaching the draft letter for any correction, ammendment etc.

On receipt of your feedback, formal letter wille sent for consideration.

Regards,

G.D.Rath
Secretary, MDC on SHE

This mail has been scanned by Cyberoam based UTM at NIT, Rourkela. If your mail

Sh. ABOS
Serial - 1022
H M
31/5/13

DRAFT

To
The Director
National Institute of Technology
Rourkela

Sub: Proposal for Collaborative Course on " **M.Tech. in Safety Engineering**" with
National Institute of Technology, Rourkela from the Academic Session 2013-2014.

Sir,

The Multi Disciplinary Centre on Safety, Health and Environment(MDC on SHE), a Government of Odisha created and sponsored organization and a leading NGO in the state has been conducting various activities pertaining to Industrial Safety, Occupation Health, Environment, Pollution Control, Industrial Disaster Management, Hazardous Substance Management, Battery Management, Bio-medical Waste Management, Municipal Solid Waste Management etc through training, workshops, seminars, inter-active programmes through out the state since twenty years. A list of major activities organized since inception is enclosed at **Annexure-I**.

The MDC on SHE, which is an autonomous institute has developed its own infrastructure/ campus having well equipped training hall, conference hall, laboratory, library, furnished air-conditioned boys hostel etc at Plot No: 04, Chandaka Industrial Estate, Infocity Road, Bhubaneswar-751 024.

The Institute conducts short term certificate course on "Industrial Safety Management". "Construction Safety" etc from time to time, which are normally attended by

the employees of factories and mines from within and out side Odisha. Besides , with the approval of State Government, in the Industries Department, the Directorate of Technical Education & Training and affiliated to SCTE&VT, Odisha, the Institute conducts a full time regular course on "**Post Diploma in Industrial Safety**" since 2009. Almost all the passed outs students have been suitably engaged in various industries and companies across the country.

All the activities of the Institute are carried out by an Executive Committee, comprising Government Officials, Industries representatives, professionals of repute, founder members of the Institute, details given at **Annexure-II**.

With the increasing industrialization, there is increased stress on employees safety and better work environment. There is a great demand and necessity of well qualified safety professionals in the industry.

In India, after economic liberalization, the industrial growth has increased many fold. The industrial activities have resulted serious concern for employee's health and at the same time caused environmental degradation with respect to air, water and land pollution.

In order to address these issues, the MDC on SHE proposes to conduct collaborative regular full time course (4-semester) on "**M.Tech. in Safety Engineering**" with the National Institute of Technology, Rourkela. The NIT, is one of the premier Technical Institute in the Country and has earned laurels in the field of technical education. We hope, with the proposed collaborative programme with the NIT, the industries will be amply benefited to

address the emerging challenges in the areas of industrial safety, accident prevention, pollution control etc.

The objective of the proposed M.Tech Course is:

- deliberate various aspects of safety engineering. industrial safety management, occupational health, industrial pollution control. etc.
- increase the knowledge on advance safety engineering equipments and safety management.

A draft syllabus is enclosed.

On receipt of your formal acceptance of the proposal, detailed structure, semester set-up, intake modality, fee structure/pattern etc. could be worked out both by the MDC on SHE and the NIT.

Soliciting an early response.

Yours sincerely,

(Dr.Ajit Kumar Tripathy)
President

- Encl: 1. Annexure
2. Draft Syllabus
3. MDC Profile [Safety, Health Environment- we need to survive]
4. Prospectus of 'Post Diploma in Industrial Safety'.

DRAFT

M. Tech. Degree

SAFETY ENGINEERING

SYLLABUS

Effective from 2013 – 14

Conducted by



National Institute of Technology (NIT), Rourkela

In Collaboration with



**MULTI DISCIPLINARY CENTRE ON
SAFETY, HEALTH AND ENVIRONMENT, BHUBANESWAR**

(A Govt. of Odisha Sponsored Autonomous Institute)

IDCO Plot No: 04, Chandaka Industrial Estate, Infocity Road Bhubaneswar-751 024, Odisha

Tel: 0674-2741651 / 2741653 Fax: 0674-2741651

Email: mdcshe@gmail.com Website: www.mdconshe.org

MULTI DISCIPLINARY CENTRE ON SAFETY, HEALTH AND ENVIRONMENT, BHUBANESWAR

- TITLE : M. Tech. – SAFETY ENGINEERING
- DURATION : Two Years-Four Semester - Full Time.
- ELIGIBILITY : Graduate Engineer – Mechanical / Electrical /
Civil / Metallurgy / Chemical / Ceramic / Production
/ Polymer / Petroleum / Mining discipline etc with
min. 60% marks
Preference will be given to the sponsored
candidates from Industry/ Government
Organisation
- SELECTION : Selection of candidates will be made through
GATE / interview.

M. Tech. – SAFETY ENGINEERING

DRAFT COURSES OF STUDY

SEMESTER – I NIT		
PAPER	SUBJECT	FULL MARK
01	Probability and Statistics	100
02	Human Factors Engineering	100
03	Computer Aided Risk Analysis	100
04	Safety in Power Generation & Distribution	100
05	Safety in Engineering Industry	100
06	Elective Subjects [Any two]	200
	Safety in Manufacturing Industry	
	Safety in Metallurgical Industry	
	Design of Air and Water Pollution control system	
	TOTAL	700

SEMESTER – II MDC on SHE		
PAPER	SUBJECT	FULL MARK
01	Safety Management	100
02	Material Handling Safety	100
03	Safety in Construction Industry	100
04	Safety in Chemical Industry	100
05	Safety in Fire Engineering and Explosion Control	100
06	Occupational Health and Hygiene	100

07	Legal provisions on Health, Safety and Environment	100
05	Elective: Any one subject :	100
	Environmental Impact Assessment	
	Industrial Pollution Control	
	TOTAL	800

SEMESTER – III		
PAPER	SUBJECT	FULL MARK
01	Project Work- I	300
	TOTAL	300

SEMESTER – IV		
PAPER	SUBJECT	FULL MARK
01	Project Work	
	Phase – II	300
	TOTAL	300

TOTAL MARKS		
	SEMESTER – I	700
	SEMESTER – II	800
	SEMESTER – III	300
	SEMESTER – IV	300
	TOTAL	2100

The sending marks from the class tests will be 20%. The written examination will be conducted for 80% marks in all theory papers.



National Institute of Technology Rourkela

Prof. Sunil Kr Sarangi
Director

No. NITR/DR/regulation/2013/M/331

Date: June 03, 2013.

Sub: Policy on acceptance of thesis by students with long absence during project period.

I have received queries from two departments regarding any policy on acceptance on thesis by students who have been absent for long duration during their project periods. Our regulations are silent on this issue. Common sense, however, says that a thesis from a student should not be accepted if the student has been absent from the Institute for a long duration during the project period. This situation is comparable to that of long absence from classes leading to grade back or debarment as per undergraduate and postgraduate regulations.

While a proposal will be put up to the Senate for a final decision on the subject, following adhoc provisions are circulated for implementation by the departments.

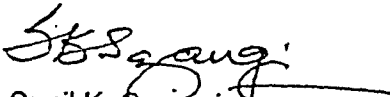
No of days absent	Earliest date of thesis submission	Additional absence permitted	Reduction of grade	Date of oral examination	Year of award of degree
0-20	Normal (along with current batch)	Not applicable	None	Normal (along with current batch)	Current year
21-40	End of Mid semester exam of following (Autumn) semester	10 days	One step	Along with current batch	Current year
41-60	End of Autumn semester (Registration required)	15 days	None	Along with next batch of students	Next year
> 60	Register afresh in Autumn +Spring of next year	20 days	Not applicable	Along with next batch of students	Next year

Contd. p/2

The period of work starts with the first day of autumn semester 2012-13 and ends on 31st May.

Assistant Registrar (Acad) is requested to review bio-metric attendance record of all 2nd year M. Tech. students and identify the students who have more than 20 days of absence during the year starting with beginning of autumn semester 2012. It may be noted that leave of absence granted for medical reasons or for attending conferences etc. will not be counted against the students. Casual leave taken by the students, if any, will count within the 20 days of absence permissible.

Heads of Departments are requested to arrange oral examination for only those students who have cumulative absence within 40 days over one year with the first day of autumn 2012-13. For other students steps recommended in table above may be implemented. No scholarship is admissible during the extension period.


Sunil Kr Sarangi

To

Dean (Academic)

✓ Copy to: AR (Acad)

All Heads of Departments and faculty members by email.

All 2nd year M. Tech. students by email.