

कार्यवृत्त

दिनांक 15.9.2000

नीति निर्धारण समिति की बैठक
बी० टेक इंस्ट्रुमेंटेशन इंजीनियरिंग में

चार वर्षीय (8-सेमेस्टर) पाठ्यक्रम, 2000-2001

आज दिनांक 15.9.2000 को बृसिक में चार वर्षीय (8-सेमेस्टर) इंस्ट्रुमेंटेशन इंजीनियरिंग में बी० टेक डिग्री पाठ्यक्रम, 2000-2001 वर्ष के नीति निर्धारण (प्रवेश, फीस, मैनेजमेन्ट, आदि) के लिए कुलपति महोदय द्वारा स्वीकृत समिति की बैठक में निम्नलिखित निर्णय लिए गये -

1. उक्त पाठ्यक्रम के प्रथम वर्ष 2000-2001 में प्रवेश शासनादेश संख्या 4156/2000-सोलह-प्रो.शि०-1-35/98, प्रविष्टि शिक्षा अनुभाग-1, उत्तर प्रदेश शासन, लखनऊ, दि० 29-अगस्त, 2000 में निर्धारित व्यवस्था के अनुरूप किए जायें। अर्थात् इंटर्मीडिएट अथवा समतुल्य परीक्षा के भौतिकी, रसायन तथा गणित विषयों में न्यूनतम 50 प्रतिशत अंक पाकर उत्तीर्ण अभ्यर्थी, प्रवेश इंटर्मीडिएट परीक्षा के प्राप्तांकों की वरिष्ठता क्रम में किए जायें।
2. आरक्षण नीति UPSEAT-2000/ U.P. Govt. की पॉलिसी के अनुरूप रहेगी,
3. आरक्षण सर्टिफिकेट के अनुसार सीटों का आवंटन किया जाय,
4. छात्रों की फीस का निर्धारण शासनादेश संख्या 3271/98-सोलह-प्रो.शि०-1-226/94 दि० 30 जुलाई 1998 तथा 7087/2000-सोलह-प्रो.शि०-1-78/91 के प्रा. शिक्षा अनुभाग-1, लखनऊ, दि० 15 फरवरी, 2000 के अनुरूप एवं कालेज फीस कोलेज युनिक के अनुरूप होगी अर्थात्

A. कालेज फीस (वर्ष में एक बार, एक क्वार्टर में)

| | Rs. |
|--------------------------|--------|
| (i) Admission | 8.00 |
| (ii) Development | 50.00 |
| (iii) Dearness allowance | 120.00 |
| (iv) Fan | 10.00 |
| (v) Library | 10.00 |
| (vi) Magazine | 30.00 |
| (vii) Games | 120.00 |
| (viii) Reading room | 5.00 |
| (ix) Student Aid | 5.00 |
| (x) Students' Union | 10.00 |

| | | |
|--------|---------------------------------------|-----------|
| (xi) | College day | Rs. 10.00 |
| (xii) | Enrollment | 30.00 |
| (xiii) | Exam. fee (@ Rs. 290.00 per Semester) | 580.00 |
| (xiv) | Identity card | 10.00 |
| (xv) | Cultural Activity | 25.00 |
| (xvi) | L. I. C. | 22.00 |
| Total | | 1045.00 |

B विद्यार्थी छात्र फीस

| | | |
|--------|-------------------------------|-------------|
| 1. (i) | Caution money (workshop/Lab.) | Rs. 3000.00 |
| (ii) | Caution money (Library) | Rs. 2000.00 |
| Total | | Rs. 5000.00 |

| | 1st Installment | 2nd Installment |
|-------------------------------|-----------------|-----------------|
| 2. Tuition Fee (Per year) | Rs. 4500.00 | 4500.00 |
| 3. Development Fee (Per year) | 1500.00 | 1500.00 |
| 4. Other fee (Per year) | | |
| a. Library fee | 500.00 | 500.00 |
| b. Workshop fee | 1250.00 | 1250.00 |
| c. Lab. fee | 2500.00 | 2500.00 |
| d. Computer & Stationary | 750.00 | 750.00 |
| Total (2+3+4) | Rs. 11000.00 | Rs. 11000.00 |

फीस कॉलेज/विश्वविद्यालय/शाखा के निर्देशों के अनुरूप परिवर्तित हो सकते हैं,

5. छात्रों के फीस जमा करने की आन्तिम तिथि डि. 20-9-2000 प्रथम सूची की तथा 23.9.2000 द्वितीय सूची की होगी,
6. सम्बन्धित विषय में एक पूर्ण फाइल तैयार कर एक कॉपी Affiliation Section में दे दी जाय,
7. कॉलेज फीस Dean Science के पास तथा University fee वित्त अधिकारी के लेखा अनुभाग में जमा होगी,
8. परीक्षा कार्य ^{सम्बन्धित} विश्वविद्यालय द्वारा किया जाएगा,

60% पाठ्य भाग पाठ्यक्रम के पहल-पठन व्यवस्था, कनि-जे-सी,

लेब्र अप, आदि कार्यो में अपर किया जाएगा, पढ़न-पाठन कार्यो की

व्यवस्था के लिए यू.जी.सी. / ^{शांति}नामस के अनुसार होगा जो कि Lecturers

Memorandum, T. A. / ~~आप~~ ~~की~~ ~~गये~~ ~~एक~~ Invited speaker / Guest faculty के लिए चढ़ाए

लेगा, साथ ही बुद्ध पेपर्स / बिजनेस में आवश्यकता अनुसार वित्त समिति

इसे परीक्षण के लिए प्रस्ताव पारित कराया जाये, एवं तब ४० २००५ प्रति ३० प्रति

के कारण अक्षिप और अक्षिप गान पर जो गीत है, निम्नलिखित विधि में जो १२ अक्षिपों में अक्षिप को मान (१२) को मान।

30. पाठ्यक्रम की निर्देशिका पर चर्चा हुई एवं प्रस्ताव पर सहमति हुई।

11. पठन-पाठनकृत एवं प्रयोगशालाओं के लिए ह्यान्स-चौरस में व्यवस्था की जाय।

12. कृष्णाति महोदय के अनुमोदन के पश्चात् कुछ सचिव उक्त पाठ्यक्रम से सम्बन्धी Notification जारी करेंगे।

अध्यास महोदय एवं सभी महानुभावों को ध्यानवाद के वाद के बारे में संपन्न हुई।

198
(श्री पी० के० गोयल)
नित आध्यात्मिकी

7/5/2000
15-9-2000
प्र. (एन. एम. प्र. १)
निगमावली, प्र. १

1579
(सि महेश चन्द)
कुँ संचिव

15.9.21

प्रो (एम. एस. एम. राव)
संकाय-महि, विज्ञान,

10/9/20

BOS meeting in USIC - Instrumentation Engineering (Meeting held on 18-05-2013 at 11.00 hrs onwards)

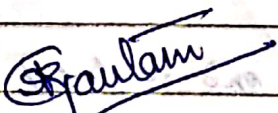
The BOS meeting of USIC - Instrumentation Engg. ~~was~~ was held on 18-05-2013 at 11.00 hrs onwards in the Head's office. Following experts / members were present.

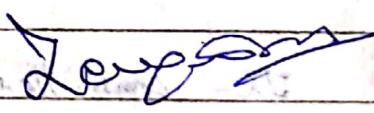
- (i) Prof. R. P. Maheshwari, IIT Roorkee,
- (ii) Dr. A. K. Gantam, GBPEC Pauri,
- (iii) Prof. M. N. S. Rautan, Head, CSE
- (iv) Mr. G. S. Kathait, Asst. Prof. USIC-IE
- (v) Prof. T. C. Upadhyay, Physics Dept.
- (vi) Prof. N. S. Panwar, Head, USIC.

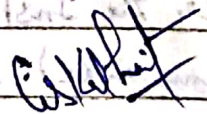
The committee discussed and resolved the followings—

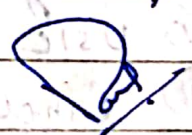
- (i) USIC should be placed under the Instrumentation Engg. dept
- (ii) Panel of Expert was recommended as in Enclosure - 1.
- (iii) Experts for paper-setting and Project evaluation were recommended as in Enclosure - 2.
- (iv) Regulations / ordinances for the B. Tech. degree courses were framed and were decided as in Enclosure - 3.

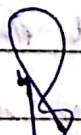
(V) Syllabus and examination scheme
was decided and recommended,
as in Enclosure-4, for the
B. Tech. course in ~~4 yrs~~
Instrumentation Engineering branch.

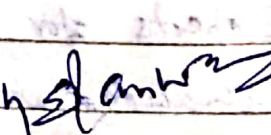

(Dr. A. K. Gaur)


Prof. T. C. Upadhyay


(Mr. G. S. Kothari)


(Prof. R. P. Maheshwari)


(Prof. M. K. Raut)


(Prof. H. S. Panwar)
18.05.2013

BOS meetings in
USIC - Instrumentation Engineering
(meeting held on 25-04-2015).

The BOS meeting of USIC- Instrumentation Engineering was held on 25-04-2015 in the Head's office. Following experts / members were present:

- (i) Prof. Y. Singh, Deptt of Electronics and Communication Engineering, GBPEC, Churdassi, Pauri Garhwal.
- (ii) Prof. O. P. Sati, Deptt. of Chemistry, HNB Garhwal University, Srinagar Garhwal.
- (iii) Prof. N. S. Panwar, USIC- Instrumentation Engineering, SOET, HNB Garhwal University.
- (iv) Mr. Prashant Thopliyal, USIC- Instrumentation Engineering, SOET, HNB Garhwal University.

The following are resolved -

- (i) The committee ~~approved~~ ^{confirmed} the minutes of BOS meeting in USIC- Instrumentation Engineering, held on 25-04-2015
- (ii) USIC should be placed under the Instrumentation Engineering Department.
- (iii) Panel of Expert was recommended.

- (iv) Experts for paper-setting and project evaluation were recommended
- (v) Regulations/ordinances for the B.Tech. degree courses were framed and were decided as in Enclosure-
- (vi) Syllabus and examination scheme was decided and recommended, as in Enclosure- for the B.Tech course in Instrumentation Engineering branch.

V. Singh
(Prof. V. Singh) 25/4/15

O. P. Sati
(Prof. O. P. Sati)

N. S. Panwar
(Prof. N. S. Panwar)

Prashant
(Mr. Prashant Thapliyal) 25/4/15

As per university notification No. Acad./2016/483, dated 25-01-2016, the Board of Studies (BoS) meeting was held in the office of the Head, University Science Instrumentation Centre (USIC) at the Chauras campus of the university. Following members were present-

1. Prof. Y. Singh, ECE Dept., G.B.P. Engineering Collage, Pauri, Uttarakhand. -Member
2. Prof. O.P. Sati, Chemistry Dept. -Member
3. Prof. Annapurna Nautiyal, Political Science Dept. -Member
4. Mr. Prashant Thapliyal, Senior most teacher, USIC -Member
5. Prof. N.S. Panwar, Head, USIC -Convener

Prof. R.P. Maheshwari, Electrical Engineering Department, IIT, Roorkee could not attend the meeting.

The following agenda were discussed, elaborately worked out and resolved as stated.

Agenda item No. 1. Change of the name of the subject Professional Communication to General English.

Resolution: As per the university directions the **Professional Communication** course was renamed and syllabus modified as the name **General English**. The syllabus recommended is enclosed as **Enclosure-1**. This name and syllabus is accepted for implementation for the academic year 2015-16 and onwards. Students were already informed about the directions of the university for that changes.

Agenda item No. 2. Change of the name of the subject Environmental Sciences to Environment Science.

Resolution: As per the university directions the **Environmental Sciences** course was renamed and syllabus modified as the name **Environment Science**. The syllabus recommended is enclosed as **Enclosure-2**. This name and syllabus is accepted for implementation for the academic year 2015-16 and onwards. Students were already informed about the directions of the university for that changes.

Agenda item No. 3. Merger of the University Science Instrumentation Centre (USIC) and Instrumentation Engineering (IE) into Instrumentation Engineering (IE) department.

Resolution: The Board unanimously resolves that since the Instrumentation Engineering (IE) course is being run in the University Science Instrumentation Centre (USIC) since 2000 and also USIC is performing its all the responsibilities assigned to it, for repairing, maintaining and providing Analytical Instruments

Prashant

Central Facility to the researchers and users of the campuses, affiliated colleges of the university, and users from industry. As the labs/workshops of the USIC are mainly used by the students studying in the department, and USIC is the academic play field of the Instrumentation Engineering students. Therefore, it is individually and collectively resolved that USIC and Instrumentation Engineering (IE) Department be merged as the Instrumentation Engineering (IE) Department and all the USIC activities be run under the umbrella of Instrumentation Engineering Department.

Agenda item No. 4. Change of the name of the course at B. Tech. level from **Instrumentation Engineering** course to **Electronics and Instrumentation Engineering (EIE)**.

Resolution: To make the Instrumentation Engineering course more popular and attractive to the students seeking admission in the Engineering courses, it is decided that the name of the **Instrumentation Engineering** course at B. Tech. level be changed to **Electronics and Instrumentation Engineering (EIE)**. However, the syllabus will remain as it is already approved under the name of Instrumentation Engineering (IE) course (CBCS system).

Agenda item No. 5. To offer **M. Tech. Degree** course in **Industrial Automation**.

Resolution: It was resolved that a Master Degree level course as M. Tech. Degree in the name and style of **Industrial Automation** be started in the **Instrumentation Engineering (IE) department**. This is an industry oriented course and will attract more students for admission in under graduation level also. Also it is recommended that the eligibility for admission in the M. Tech. (Industrial Automation) course will be four year degree course or B. Tech. / B. E. in Instrumentation Engineering, Electronics, Electronics and Communication Engineering, Electronics and Instrumentation, Electrical Engineering, Electrical and Electronics Engineering and other allied fields. Students will be admitted to the course on the basis of the valid GATE score and/or merit of the entrance test conducted by the university. The GATE qualified candidates will be preferred. However, candidates will have to apply for admission according to the university announcement for the purpose. The regulation of the course will be in accordance to the P. G. Ordinances of the university. The designed syllabus of the course is recommended for the consideration and approval of the Academic Council as **Enclosure-3**.

Agenda item No. 6. To identify the **Experts for the Selection Committee(s)** for the Instrumentation Engineering (IE) Department- USIC.

Resolution: The identified experts for Selection Committee(s) for the recruitment of teachers in the Instrumentation Engineering (IE) Department and University Science Instrumentation Centre (USIC) are listed in **Enclosure-4**.

Handwritten signatures and initials:
✓ Pradant ✓ b ✓

Agenda item No.7. To list the names of paper setters/ practical examiners for the examinations of the courses of the department.

Resolution: The names of the paper setters/ practical examiners for the examination of the courses of the department are as listed in **Enclosure-5**.

Agenda item No. 8. To prepare the syllabus for the **Entrance Test** for **M. Tech. admission**.

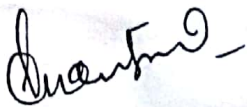
Resolution: For the admission in the M. Tech. (Industrial Automation) course, the Entrance Test syllabus is designed and recommended as **Enclosure- 6**.

Agenda item No. 9. Deciding the maximum number of seats in the proposed M. Tech. Program in Industrial Automation.

Resolution: It was resolved that initially maximum number of seat be fixed as **ten**. However, university may have flexibility to change the number of seats in the program.

The meeting was concluded with vote of thanks to the chair.

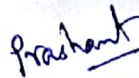
The item wise resolutions are being recommended for the kind consideration and approval of the Academics Council.



Prof. Annapurna Nautiyal



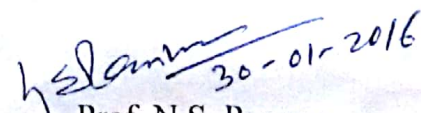
Prof. O.P. Sati



Mr. Prashant Thapliyal



Prof. Y. Singh

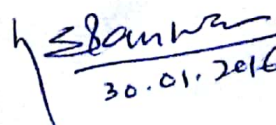


30-01-2016

Prof. N.S. Panwar
(Convener)

Dean, Engg. Technology / Hon'ble Vice-chancellor

May kindly approve.



30.01.2016

Forwarded
TE

Approved as proposed
Dr. [Signature]

Proceedings of the BoS of the Instrumentation Engineering-USIC
(Meeting held on 05-04-2018)

As per university notification No.: Academic/2018/72, dated 02-04-2018, the Board of Studies (BoS) meeting was held in the office of the Head, **Instrumentation Engineering-USIC** at the Chauras campus of the university. Following members were present-

1. Dr. M. K. Panda, Electrical Engg. Dept.,
G B Pant Institute of Engineering and Technology, Pauri -Member
2. Prof. S. C. Bhatt, Physics Dept., HNB Garhwal University -Member
3. Prof. M. M. S. Rauthan, CSE Dept., HNB Garhwal University -Member
4. Mr. Vishal Rohilla, Asst. Professor, Instrumentation Engg.-USIC -Member
5. Prof. N.S. Panwar, Head, Instrumentation Engg.-USIC -Convener

The following agenda were discussed, elaborated and worked out and resolved as stated.

Agenda item No. 1. Confirmation of the Minutes of the previous BoS meeting, held on 30-01-2016.

Resolution: Minutes of the BoS meeting, held on 30-01-2016 were confirmed.

Agenda item No. 2. Change of the name of the course at B. Tech. level from **Instrumentation Engineering** course to **Electrical and Instrumentation Engineering (EIE)**.

Resolution: To make the Instrumentation Engineering course more popular and attractive to the students seeking admission in the Engineering courses, it is decided that the name of the **Instrumentation Engineering** course at B. Tech. level be changed to **Electrical and Instrumentation Engineering (EIE)**. This new nomenclature is also consistent with the nomenclature(s) recognized by the AICTE. Syllabus of the **Electrical and Instrumentation Engineering (EIE)** course is designed accordingly.

Agenda item No. 3. To identify the **Experts for the Selection Committee(s)** for the Instrumentation Engineering (IE) Department- USIC.

Resolution: The identified experts for Selection Committee(s) for the recruitment of teachers in the Instrumentation Engineering (IE) Department and University Science Instrumentation Centre (USIC) are listed in **Enclosure-1 (Envelop-1)**.

Agenda item No. 4. To list the names of paper setters/ practical examiners for the examinations of the courses of the department.



Resolution: The names of the paper setters/ practical examiners for the examination of the courses of the department are as listed in **Enclosure-2 (Envelop-2)**.

Agenda item No. 5. To frame the Entrance Test syllabus for Lateral entry in B. Tech. Courses.

Resolution: The syllabi have been made according to the diploma, and B.Sc. (Maths, Physics) standard for Lateral entry in B. Tech. Courses. The syllabi are designed and enclosed as **Enclosure-3(i) and 3(ii)** respectively.

Agenda item No. 6. To design the syllabus for B. Tech. (Electrical and Instrumentation Engineering) course.

Resolution: Syllabus for B. Tech. (Electrical and Instrumentation Engineering) course was discussed deliberately and designed as **Enclosure-4**.

The meeting was concluded with vote of thanks to the convener.

The item wise resolutions are being recommended for the kind consideration and approval of the School Board/Academics Council.

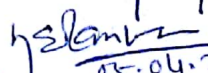

5.4.2018
Dr. M. K. Panda



Mr. Vishal Rohilla


Prof. S. C. Bhatt


Prof. M. M. S. Rauthan

Hon'ble Vice-chancellor
may kindly approve.


05.04.2018
except item No. 2
rest of the agenda &
the minutes approved
11.4.2018
Hon'ble


05-04-2018
Prof. N.S. Panwar
(Convener)

Agenda No. 2 may be
discussed. need deliberation.
All other agenda & resolution
may be approved.
14/4

P. T. D.

Joint Registrar (Acad.) / Hon'ble Vice-Chancellor.

The name of the department is not being changed. Only the name of the course at B.Tech. Level is being proposed to change, as per the resolution of the Agenda Item No. 2 of the BOS Proceedings (meeting held on 05-04-2018). So there will be no need to amend the name of the departments included in the School of Engineering and Technology (including the Instrumentation Engineering department). Hence, no further deliberations will be needed.

Submitted to accord your kind approval, please, of the Agenda Item No. 2 also.

Answer
11.04-2018
Convene BOS

Dear **DEAN**
School of Engineering and Technology
H.N.B. Garhwal University
(A Central University)
Srinagar (Garhwal) 246174

We may consider to approve agenda-02.
The matter may be reported before school board & the

Hon'ble VC

Approved
Chand
12.4.2018

12/4

Proceedings of the School Board of the School of Engineering and Technology
(First Meeting held on 12-04-2018)

As per university notification No.: Academic/109, dated 07-04-2018, the School Board meeting was held on 12.04.2018, at 11.00 hrs onwards, in the office of the Dean, School of Engineering and Technology (SOET) at the Chauras campus of the university. Following members were present:-

- | | |
|--|------------|
| 1. Prof. Y. Singh, ECE Dept., GBP Institute of Engineering & Tech., Pauri, | -Member |
| 2. Prof. M. M. S. Rauthan, Head, CSE Dept., HNB Garhwal University, | -Member |
| 3. Dr. Y.P. Raiwani, Associate Prof., CSE Dept., HNB Garhwal University, | -Member |
| 4. Dr. Narender Kumar, Asst. Prof., CSE Dept., HNB Garhwal University, | -Member |
| 5. Mr. Vinay Prasad Tamta, Head, IT Dept., HNB Garhwal University, | -Member |
| 6. Mr. Kuldip Kumar, Head, ECE Dept., HNB Garhwal University, | -Member |
| 7. Mr. Manoj Kumar Gupta, Head, ME Dept., HNB Garhwal University, | -Member |
| 8. Mr. G. Singh Kathait, Asst. Prof., IE-USIC Dept., HNB Garhwal University, | -Member |
| 9. Prof. N.S. Panwar, Head, IE-USIC, & Dean, SOET, HNB Garhwal University, | -Chairman. |

The following agenda items were discussed, elaborated, worked out and resolved as stated.

Agenda Item No. S1. Consideration of the recommendations of the BoS of the Department of Computer Science and Engineering.

Resolution: The School Board considered the agenda items of the following recommendations of BoS of the department of Computer Science and Engineering.

- 1) Board of Studies, meeting held on 21 Oct. 2014; agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure CSE-1).
- 2) Board of Studies, meeting held on 3 May 2016, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure CSE-2).
- 3) Board of Studies, meeting held on 5 April 2017, agenda items and resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure CSE-3).
- 4) Board of Studies, meeting held on 20 September 2017, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure CSE-4).
- 5) Board of Studies, meeting held on 21 February 2018, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure CSE-5).

Agenda Item No. S2. Consideration of the recommendations of the BoS of the Department of Electronics and Communication Engineering.

Resolution: The School Board considered the agenda items of the following recommendations of BoS of the department of Electronics and Communication Engineering.

us and
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17/6

72
Dr. Narender Kumar
Dr. Y.P. Raiwani
Mr. Vinay Prasad Tamta
Mr. Kuldip Kumar
Mr. Manoj Kumar Gupta
Mr. G. Singh Kathait
Prof. N.S. Panwar

- 1) Board of Studies, meeting held on 25 May 2013, agenda items, and resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure ECE-1).
- 2) Board of Studies, meeting held on 25 April 2015, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure ECE-2).
- 3) Board of Studies held on 30 January 2016, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure ECE-3).
- 4) Board of Studies, meeting held on 5 April 2018, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure ECE-4).

Agenda Item No. S3. Consideration of the recommendations of BoS of the Department of Instrumentation Engineering- USIC.

Resolution: The School Board considered the following recommendations of BoS of the department of Instrumentation Engg. - USIC.

- 1) Board of Studies, meeting held on 18 May 2013, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure IE-1).
 - 2) Board of Studies, meeting held on 25 April 2015, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure IE-2).
 - 3) Board of Studies, meeting held on 30 January 2016, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure IE-3).
 - 4) Board of Studies, meeting held on 5 April 2018, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure IE-4).
- The highlights of these BoSs of Instrumentation Engineering- USIC departments are summarised below:-

Agenda Item No. S4: To consider the recommendations of the BoS to Merge the University Science Instrumentation Centre (USIC) and Instrumentation Engineering (IE) into Instrumentation Engineering (IE) department (Agenda Item No. 2 of BoS, meeting held on 30.01.2016).

Resolution: The Board unanimously resolves that since the Instrumentation Engineering (IE) course is being run in the University Science Instrumentation Centre (USIC) since 2000 and also USIC is performing its all the responsibilities assigned to it, for repairing, maintaining and providing Analytical Instruments Central Facility to the researchers and users of the campuses, affiliated colleges of the university, and users from industry. As the labs/workshops of the USIC are mainly used by the students studying in the department, and USIC is the academic play field of the Instrumentation Engineering

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students. Therefore, it is individually and collectively resolved that USIC and Instrumentation Engineering (IE) Department be merged as the Instrumentation Engineering (IE) Department and all the USIC activities be run under the umbrella of Instrumentation Engineering Department. It is learnt that, after the recommendation of AC and approval of EC, the USIC was included under the School of Engineering and Technology, vide university notification No.: Academic/2012/1216, dated 25.06.2012.

Agenda Item No. S5: Change of the name of the course at B. Tech. level from **Instrumentation Engineering** course to **Electrical and Instrumentation Engineering (EIE)**. (Agenda Item No. 2 of the BoS of IE department, meeting held on 05.04.2018).

Resolution: To make the Instrumentation Engineering course more popular and attractive to the students seeking admission in the Engineering courses, it is decided that the name of the **Instrumentation Engineering** course at B. Tech. level be changed to **Electrical and Instrumentation Engineering (EIE)**. This new nomenclature is also consistent with the nomenclature(s) recognized by the AICTE. Syllabus of the **Electrical and Instrumentation Engineering (EIE)** course is designed accordingly.

Agenda Item No. S6: To consider the recommended Syllabus for B. Tech. (**Electrical and Instrumentation Engineering**) designed and passed in BoS (Agenda Item No. 3 of the BoS of IE, meeting held on 05.04.2018).

Resolution: Syllabus for B. Tech. (**Electrical and Instrumentation Engineering**) course was discussed, deliberated, and passed for the approval of AC, as **Enclosure-IE 4**.

Agenda Item No. S7: To consider the recommendations of the BoS of the Department of Mechanical Engineering.

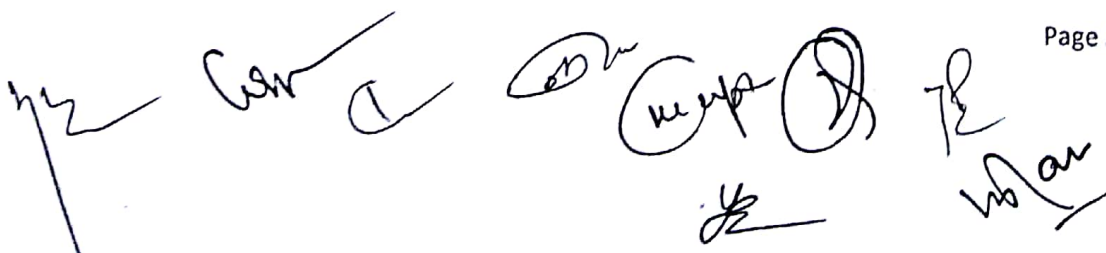
Resolution: The School Board considered the agenda items of the following recommendations of BoS of the department of Mechanical Engineering.

- 1) Board of Studies, meeting held on 28 May 2013, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure ME-1).
- 2) Board of Studies, meeting held on 25 April 2015, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure ME-2).
- 3) Board of Studies, meeting held on 30 January 2016, agenda items, resolutions thereof were considered accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure ME-3).

Agenda Item No. S8: To consider the recommendations of the Department of Information Technology.

Resolution: The School Board considered the agenda items of the following recommendations of BoS of the department of Information Technology.

- 1) Board of Studies, meeting held on 12 June 2013, agenda items, and resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure IT-1).
- 2) Board of Studies, meeting held on 25 April 2015, agenda items, resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure IT-2).



Agenda item No. S9. To discuss the formation of a placement cell at school level and define its structure and modalities.

Resolution: The structure, functioning and modus operandi of the Placement Cell at School level was discussed, deliberated and worked out. It was recommended that a placement cell will be established at school level. A Training and Placement Officer (TPO) will be voluntarily appointed, at school level, amongst the faculty members of the school. Training and Placement Officer will be authorized to approach various companies, on behalf of the school, and contact them for training and placement purpose of students. TPO will approach university for various expenses involved to facilitate the visits of companies' officials for Training and Placement purpose and/or students visit to companies, as and when required.

A Departmental Training and Placement In-charge (DTPI) will be deputed by the Head in each department of the school. Departmental Training and Placement In-charge (DTPI) will coordinate with TPO for providing department level information. DTPI will coordinate the TPO to facilitate the Training and Placement of students.

Agenda item No. S10. To discuss the syllabus of B. Tech. 1st year in all branches.

Resolution: It was resolved that the syllabus of the 1st year of all the branches will be same as approved by the BoS of ECE, and IE departments, meetings held on 05-04-2018.

Agenda item No. S11. To discuss the Entrance Test syllabus for Lateral Entry in B. Tech. 2nd year in all branches.

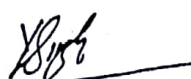
Resolution: It was resolved that the syllabi designed and developed by the IE and ECE departments, in their BoS, meetings held on 05. 04. 2018 will be applicable for the entrance test for Lateral Entry in all the branches.

Agenda item No. S12. To consider the inclusion of online courses (like courses of SWAYAM, MOOC, etc.) as optional courses at B. Tech. level.

Resolution: The Board members were of the opinion that students may be encouraged to opt online courses of SWAYAM, MOOC, and NPTEL, etc as the elective courses as per their choice. However, it was resolved that the Conveners of BoS of different departments may be requested to identify and include this type of courses in the syllabi of respective courses.

The meeting was concluded with vote of thanks to the chair.


The item wise resolutions are being recommended for the kind consideration and approval of the Academics Council.

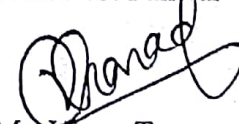

Prof. Y Singh



Prof. M. M. S. Rauthan


Prof. N.S. Panyar


Mr. Kuldip Kumar


Mr. Manoj Kr. Gupta


Mr. Vinay Tamta

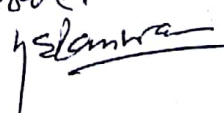

Mr. G. S. Kathait


Dr. Y. P. Raiwani


Dr. Narender Kumar

JR(Academic)/ Hon'ble Vice-chancellor

may kindly approve.



As per university notification No.: Academic/2019/358, dated 22-02-2019, the Board of Studies (BoS) meeting was held in the office of the Head, **Instrumentation Engineering-USIC** at the Chauras campus of the university. Following members were present-

1. Prof. S. C. Bhatt, Physics Dept., HNB Garhwal University -Member
2. Prof. M. M. S. Rauthan, CSE Dept., HNB Garhwal University -Member
3. Mr. Don Biswas, Asst. Professor, Instrumentation Engg.-USIC -Member
4. Prof. N.S. Panwar, Head, Instrumentation Engg.-USIC -Convener

Prof. R. P. Maheshwari, IIT Roorkee, and Dr. M. K. Panda, GBPEC, Pauri could not attend the meeting due to their pre- occupied schedule.

The following agenda were discussed, elaborated and worked out and resolved as stated.

Agenda item No. 1. Confirmation of the Minutes of the previous BoS meeting, held on 05-04-2018.

Resolution: Minutes of the BoS meeting, held on 05-04-2018 were confirmed.

Agenda item No. 2. Implementation of EWS as per MHRD letter F No. 19-3/2019-CU dated 19 January, 2019, and DSW letter No. HNBGU/DSW/2019 dated 04-02-2019, in the courses being run by the **Instrumentation Engineering Department**.

Resolution: Category- wise student strength after the EWS Reservation for the B. Tech. **Electrical and Instrumentation Engineering** course being run by the **Instrumentation Engineering Department**, is calculated as per MHRD letter F No. 19-3/2019-CU dated 19 January, 2019 and DSW letter No. HNBGU/DSW/2019 dated 04-02-2019. The following recommendations were made to enhance the seat to implement EWS.

| Category | Total Existing Intake Capacity (2018-19) | Total student strength after increased intake (to implement EWS) | |
|--------------|--|--|------------------|
| | | 2019-20 (5% EWS) | 2020-21(10% EWS) |
| SC | 04 | 05 | 06 |
| ST | 02 | 03 | 03 |
| OBC | 09 | 09 | 11 |
| Others | 16 | 16 | 16 |
| EWS | - | 02 | 04 |
| Total | 31 | 35 | 40 |

The meeting was concluded with the vote of thanks to the chair.

Prof. S. C. Bhatt

Prof. M. M. S. Rauthan

Mr. Don Biswas

Prof. N.S. Panwar
(Convener)

Hon'ble Vice-chancellor

may kindly approve -

Proceedings of the BoS of the Department of Instrumentation Engineering-USIC
(Meeting held on 11-09-2019)

As per university notification No.: Academic/2019/974, dated 09-09-2019, the Board of Studies (BoS) meeting was held in the office of the Head, **Department of Instrumentation Engineering-USIC** at the Chauras campus of the university. Following members were present.

1. Prof. M. K. Panda, State Project Administrator,
State Project Implementation Unit, Shudhowala, Dehradun. -Member
2. Prof. S. C. Bhatt, Physics Dept., HNB Garhwal University. -Member
3. Mr. Gambheer Singh Kathait, Asst. Professor,
Dept. of Instrumentation Engg.-USIC, HNB Garhwal University. -Member
4. Prof. N. S. Panwar, Head, Dept. of Instrumentation Engg.-USIC,
HNB Garhwal University. -Convener

Prof. R. P. Maheshwari, Dept. of Electrical Engg., IIT Roorkee and Prof. R. S. Rana Dept. of Geology, HNBGU Srinagar Garhwal could not attend the meeting due to their pre occupied schedule.

The following agenda were discussed, elaborated and worked out and resolved as stated.

Agenda item No. 1. Confirmation of the Minutes of the previous BoS meeting held on 05-04-2018.

Resolution: Minutes of the BoS meeting, held on 05-04-2018 were confirmed.

Agenda item No. 2. Programme Outcome (POs) of B. Tech. programme in Electrical and Instrumentation Engineering (EIE).

Resolution: To make the B. Tech. Electrical and Instrumentation Engineering programme more popular as per the concept of outcome based education and attractive to the students seeking admission in the Engineering courses, it is decided that the Programme Outcome (POs) need to be added in the B. Tech. programme in **Electrical and Instrumentation Engineering (EIE)**. This new addition is also consistent with the guideline(s) recognized by the NBA, NAAC and AICTE. POs of the programme B. Tech. **Electrical and Instrumentation Engineering (EIE)** are designed accordingly (**Enclosure-1**).

Agenda item No. 3. Programme Specific Outcomes (PSOs) of B. Tech. programme in Electrical and Instrumentation Engineering (EIE).

Resolution: To make the B. Tech. Electrical and Instrumentation Engineering programme more popular as per the concept of outcome based education and attractive to

the students seeking admission in the Engineering courses, it is decided that the Programme Specific Outcome (PSOs) need to be added in the B. Tech. programme in **Electrical and Instrumentation Engineering (EIE)**. This new addition is also consistent with the guideline(s) recognized by the NBA, NAAC and AICTE. PSOs of the programme B. Tech. **Electrical and Instrumentation Engineering (EIE)** are designed accordingly (**Enclosure-2**).

Agenda item No. 4. Course Outcome (COs) of B. Tech. course in Electrical and Instrumentation Engineering (EIE).

Resolution: To understand the basic principles of Electrical and Instrumentation Engineering course as per the concept of outcome based education, its characteristics and its utility to different fields from student point of view, it is decided that the Course Outcome (COs) need to be added in the course **Electrical and Instrumentation Engineering (EIE)**. This new addition is also consistent with the guideline(s) recognized by the NBA, NAAC and AICTE. The COs of the course **Electrical and Instrumentation Engineering (EIE)** are designed accordingly (**Enclosure-3**).

Agenda item No. 5. To identify the Experts for the Selection Committee(s) for the Department of Instrumentation Engineering-USIC.

Resolution: The identified experts for Selection Committee(s) for the recruitment of teachers in the Instrumentation Engineering (IE) Department and University Science Instrumentation Centre (USIC) are listed in **Enclosure-4 (Envelop-1)**.

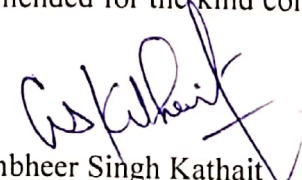
Agenda item No. 6. To list the names of paper setters/ practical examiners for the examinations of the courses of the department.

Resolution: The names of the paper setters/ practical examiners for the examination of the courses of the department are as listed in **Enclosure-5 (Envelop-2)**.

The meeting was concluded with vote of thanks to the convener.

The item wise resolutions are being recommended for the kind consideration and approval of the School Board/Academics Council.

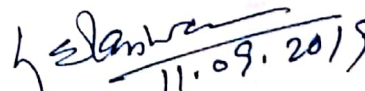

Prof. M. K. Panda


Mr. Gambheer Singh Kathait


Prof. S. C. Bhatt

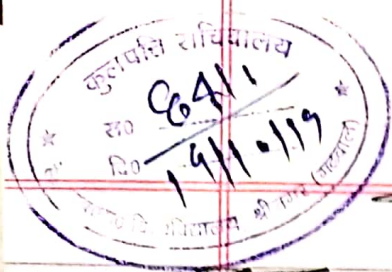
699
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Acad
1084

Hon'ble Vice Chancellor
May kindly approve.


11.09.2019
Prof. N. S. Panwar
(Convener)

DR Academics for
comment
18.9.2019

Pr. Examine.
24/9/19
So (Academic)



पाठ्यक्रम समिति में उपस्थित सदस्यों द्वारा मक 60 अ. ले 06 तक के निर्णय दोगा ले सम्पादित है।

(14) उत्त. अनुमोदनाम प्रस्तुत

27/11/19

SO (Acad)

DR (A)

27/11/19

Pl. Specify out of all agenda, which agenda needs to be put up to SB. and which are the agenda needs to be approved by V.C.

Kamal
27/11/19
SO (Academic)
Sh. Kalraj

14/11/2019

पाठ्यक्रम समिति में उपस्थित सदस्यों द्वारा ~~निम्न~~ ^{निम्न} कार्यवाही को माननीय कुलपति जी के अनुमोदनाम प्रस्तुत।

(14)
14/10/19

विषय - 2, 3 एवं 4 हस्त जोड़ी हेतु संशोधन
अथवा विषय अनुमोदनाम प्रस्तुत
SO (Acad)

DR (A)

16/11/2019

CA may please consider and approve resolutions passed by BOS. Agenda item no. 2, 3 & 4 needs to be put up before SB by concerned convenor of BOS.

Registration Section

Kamlesh

Approved on the basis of
A. Kamlesh
21.10.2019

Kamal
16/11/19

**Proceedings of the Meeting of School Board of the School of Engineering and Technology
(Second Meeting held on 11-09-2019)**

As per university notification No.: Academic/2019/976, dated 09-09-2019, the School Board meeting was held on 11.09.2019, at 2.00 PM onwards, in the office of the Dean, School of Engineering and Technology (SOET) at the Chauras campus of the university. Following members were present:-

- | | |
|--|------------|
| 1. Prof. M. K. Panda, State Project Administrator, SPIU, Suddhowala, Dehradun. | -Member |
| 2. Prof. M. M. S. Rauthan, Head, CSE Dept., HNB Garhwal University, | -Member |
| 3. Dr. Y.P. Raiwani, Associate Prof., CSE Dept., HNB Garhwal University, | -Member |
| 4. Dr. M. P. Thapliyal, Associate Prof., CSE Dept., HNB Garhwal University, | -Member |
| 5. Mr. Y. P. Pundir, Asst. Prof., ECE Dept., HNB Garhwal University, | -Member |
| 6. Mr. Vinay Prasad Tamta, IT Dept., HNB Garhwal University, | -Member |
| 7. Mr. Prashant Thapliyal, IE Dept., HNB Garhwal University, | -Member |
| 8. Mr. Manoj Kumar Gupta, ME Dept., HNB Garhwal University, | -Member |
| 9. Prof. N.S. Panwar, Head, IE-USIC, & Dean, SOET, HNB Garhwal University, | -Chairman. |

The following agenda items were discussed, elaborated, worked out and resolved as stated.

Agenda Item No. 2.S1: Confirmation of the Minutes of the previous School Board meeting held on 12-04-2018.

Resolution: Minutes of the School Board meeting, held on 12-04-2018 were confirmed.

Agenda Item No. 2.S2: To discuss Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (Cos) presented by the Conveners of Boards of Studies of the Dept. of Instrumentation Engineering, Dept. of Electronics and Communication Engineering, Dept. of Computer Science and Engineering, and Dept. of Mechanical Engineering.

Resolution: All the committee members of School Board considered and discussed the Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various programme(s)/course(s) running in the School of Engineering and Technology, and recommended these for consideration of the Academic Council.

Agenda Item No. 2.S3: Consideration of the recommendations of BoS of the Department of Instrumentation Engineering.

The School Board considered the following recommendations of BoS of the Department of Instrumentation Engineering.

- 1) Board of Studies, meeting held on 11 September 2019, agenda items and resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including enclosure(s) as recommended by BoS are enclosed as Enclosure IE-01).

The highlights of the BoS of Department of Instrumentation Engineering are summarized as below:-

- (i) Consideration of the recommendations of BoS for the List of experts for various selection committees of the Dept. of Instrumentation Engineering and USIC.
- (ii) Consideration of the recommendations of BoS for the List of paper setters for courses running in the Dept. of Instrumentation Engineering.

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Convener of the BoS of the Dept. of Instrumentation Engineering informed the members of school board that the lists of Experts for selection committees/paper setters (duly recommended by the BoS) for courses running in the department have been sent to the University. The School Board noted the same.

Resolution: The School Board considered, discussed and recommended the resolutions and recommendations of the BoS of the Instrumentation Engineering Department for consideration of Academic Council of the University.

Agenda Item No.2.S4: Consideration of the recommendations of the BoS of the Department of Computer Science and Engineering.

Resolution: The School Board considered the following recommendations of BoS of the Department of Computer Science and Engineering.

- 1) Board of Studies, meeting held on 03 Oct. 2018, agenda items and resolutions thereof were considered, discussed and recommended for the consideration of Academic Council (AC). (Proceedings including syllabi recommended by BoS is enclosed as Enclosure CSE-01). The highlights of the BoS of Computer Science and Engineering departments includes:-

- (i) ***Discussion on leave application of Ms. Neelam Panwar (Research Scholar, Enrollment No. G151901, Registration No. ECS-16187, Registration Date 09.07.2015).***

Ms. Neelam Panwar has completed minimum required period of 24 months in the campus after Pre-Ph.D. course. She is eligible to carry her research work off campus according to Ph.D. Ordinances 2012, Clause 9(A). The BoS accepted her request for leave in anticipation of the approval of Hon'ble Vice- Chancellor.

- (ii) ***Approval for Admission to MCA II year (Lateral Entry) against vacancies of first year from academic session 2019-20.***

As per AICTE F.NO. AICTE/AB/NR/MCA-L.E./2016 dated 14.10.2016, all the members of the BoS are agreed for MCA second year Lateral Entry with following conditions

"Provided that Students who have completed Bachelor's Degree of minimum 03 years duration in BCA, B.Sc. (Information Technology) B.Sc. (Computer Science) with Mathematics as a course at 10+2 level or at Graduate level shall be eligible for

admission to second year MCA courses up to a maximum of 20% of sanctioned intake (30% for Institutions in Andaman, Nicobar, Lakshadweep, Daman and Diu) plus unfilled vacancies of 1st year which shall be over and above, supernumerary of the sanctioned intake."

- 2) Board of Studies, meeting held on 15 Dec 2018, agenda items and resolutions thereof were considered, accepted and recommended for the consideration of Academic Council (AC). (Proceedings including syllabi recommended by BoS are enclosed as Enclosure CSE-02).
- 3) Board of Studies, meeting held on 28 Feb 2019, agenda items and resolutions thereof were considered, accepted and recommended for the consideration of Academic Council (AC) (Proceedings including syllabi recommended by BoS are enclosed as Enclosure CSE-03).

- 4) Board of Studies, meeting held on 14 May 2019, agenda items and resolutions thereof were considered, accepted and recommended for the consideration of Academic Council (AC). (Proceedings including syllabi recommended by BoS are enclosed as Enclosure CSE-04).
- 5) Board of Studies, meeting held on 30 July 2019, agenda items and resolutions thereof were considered, accepted and recommended for the consideration of Academic Council (AC). (Proceedings including syllabi recommended by BoS are enclosed as Enclosure CSE-05).

The highlights of the BoS of Computer Science and Engineering departments includes:-

- (i) *Consideration on the application of Ms. Neelam Panwar, Research Scholar (Registration No. ECS-16187), requesting for one year extension for submitting the Ph.D. Thesis as per University norms.*

Resolution: The School Board considered the recommendations of the BoS of CSE, and discussed the recommendations of the BoS on the application of Ms. Neelam Panwar, Research Scholar (registration no. ECS-16187) and all the present members of the School Board unanimously agreed to recommend for the extension of one year period for submission of the Ph.D. thesis to Ms. Neelam Panwar, as per University Ordinances, Clause No. 11(a).

- 6) Board of Studies, meeting held on 11 Sept 2019, agenda items and resolutions thereof were considered, accepted and recommended for the consideration of Academic Council (AC). (Proceedings including syllabi recommended by BoS are enclosed as Enclosure CSE-06). The highlights of the BoS of Computer Science and Engineering departments is summarized as below:-

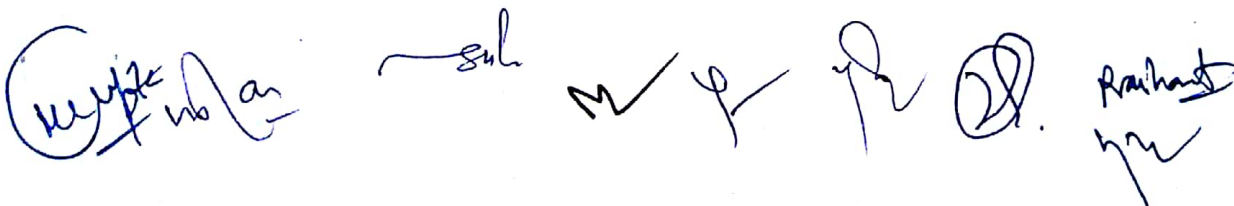
- (i) Consideration of the recommendations of BoS for the List of experts for various selection committees of the Dept. of Computer Science and Engineering. Convener of the BoS of the Dept. of Computer Science and Engineering informed the members of school board that the list of Experts for selection committees (duly recommended by the BoS) has been sent to the University. The School Board noted the same.

Resolution: The School Board considered, discussed and recommended the resolutions and recommendations of the BoS of the Computer Science and Engineering Department for consideration of Academic Council of the University.

Agenda Item No. 2.S5: Consideration of the recommendations of the BoS of the Department of Electronics and Communication Engineering.

The School Board considered the following recommendations of BoS of the Department of Electronics and Communication Engineering.

- 1) Board of Studies, meeting held on 26 Feb 2019, agenda items, and resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including enclosure(s) as recommended by BoS are enclosed as Enclosure ECE-01).
- 2) Board of Studies, meeting held on 09 Sept 2019, agenda items, and resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC).



(Proceedings including enclosure(s) as recommended by BoS are enclosed as Enclosure ECE-02).

The highlights of the BoS of Department of Electronics and Communication Engineering are summarized as below:-

- (i) Consideration of the recommendations of BoS for the List of experts for various selection committees of the Dept. of Electronics and Communication Engineering.

Convener of the BoS of the Dept. of Electronics and Communication Engineering informed the members of school board that the list of Experts for selection committees (duly recommended by the BoS) has been sent to the University. The School Board noted the same.

Resolution: The School Board considered, discussed and recommended the resolutions and recommendations of the BoS of the ECE dept. for consideration of Academic Council of the University.

Agenda Item No. 2.S6: To consider the recommendations of the BoS of the Department of Mechanical Engineering.

Resolution: The School Board considered the following recommendations of BoS of the department of Mechanical Engineering.

- 1) Board of Studies, meeting held on 28 Feb 2019, agenda items and resolutions thereof were considered, accepted and recommended for the approval of Academic Council (AC). (Proceedings including syllabi recommended by BoS are enclosed as Enclosure ME-01).

Resolution: The School Board considered, discussed and recommended the resolutions and recommendations of the BoS of the ME dept. for consideration of Academic Council of the University.

The meeting was concluded with thanks to the chair.

The item wise resolutions are being recommended for the kind consideration and approval of the Academic Council.

Prof. M. K. Panda

Prof. M. M. S. Rauthan

Prof. N.S. Panwar

Dr. Y. P. Raiwani

Dr. M. P. Thapliyal

Dr. M. K. Gupta

Mr. Vinay Tamta

Mr. Y. P. Pundir

Mr. Prashant Thapliyal

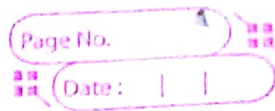
Page 4 of 4

Hrile VC
may kindly approve. 11.09.2019

Dr. Academic

Dr. Academic
18.9.2019

Dr. Academic
18.9.2019



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16/10/19
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Non'ble VC

⑧ Approved
Dated 5
18.10.2019

Proceedings of the BoS of the Department of Instrumentation Engineering-USIC
(Meeting held on 10-07-2020)

As per university notification No.: Academic/2020/256, dated 10-07-2020, the Board of Studies (BoS) meeting was held online through ZOOM app. Following members attended the meeting:

1. Prof. V. M. Mishra, Head, Dept. of Electrical Engineering, GBPIET, Ghurdauri, Pauri Garhwal. -Member
2. Prof. S. C. Bhatt, Dept. of Physics, HNB Garhwal University. -Member
3. Prof. R. S. Rana, Dept. of Geology, HNB Garhwal University. -Member
4. Mr. Gambheer Singh Kathait, Asst. Professor, Dept. of Instrumentation Engg.-USIC, HNB Garhwal University. -Member
5. Prof. N. S. Panwar, Head, Dept. of Instrumentation Engg.-USIC, HNB Garhwal University. -Convener

Prof. M. K. Panda, State Project Administrator, State Project Implementation Unit, Shudhowala, Dehradun could not attend the meeting due to his pre occupied schedule.

The following agenda were discussed, elaborated and worked out and resolved as stated.

Agenda item No. 1. Confirmation of the Minutes of the previous BoS meeting held on 11-09-2019.

Resolution: Minutes of the BoS meeting, held on 11-09-2019 were confirmed.

✓ **Agenda item No. 2.** Constitution of the Departmental Academic Integrity Panel (DAIP) as per UGC letter D.O. No. F:1-18/2010/(CPP-II) dated 06/08/2018.

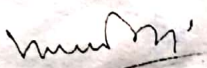
Resolution: Following Departmental Academic Integrity Panel (DAIP) has been suggested by the committee.


1. Head, Dept. of Instrumentation Engineering Chairman
2. One senior academician outside the department to be approved/ nominated by Hon'ble Vice-Chancellor
 - (i) Prof. M. M. S. Rauthan, Dept. of CSE Member
 - (ii) Prof. H. C. Nainwal, Dept. of Geology Member
3. One member well versed in anti- plagiarism tools nominated by Head of Department
 - (i) Prof. S.C. Bhatt, Dept. of Physics Member

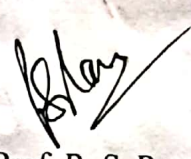
Agenda item No. 3. (i) Introduction of MOOC's from SWAYAM Platform in the upcoming semesters of syllabus running since 2018-19 onwards.

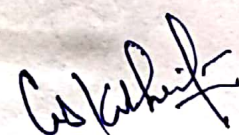
(ii) To design the syllabus in accordance with the AICTE/CBCS norms along with the courses running from the MOOC/SWAYAM platform, for B. Tech. (Electrical and Instrumentation Engineering) course for Batch 2020-21 onwards.

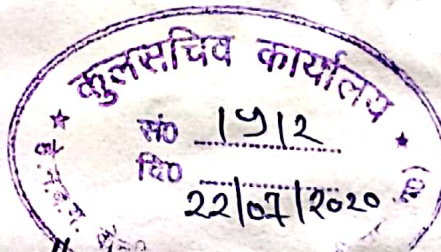
Resolution: Syllabi for B. Tech. (Electrical and Instrumentation Engineering) course with MOOC/SWAYAM Courses were discussed deliberately (Enclosures- 1 and 2).

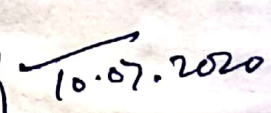

Prof. V. M. Mishra


Prof. S. C. Bhatt

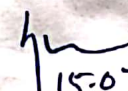

Prof. R. S. Rana


Mr. Gambheer Singh Kathait




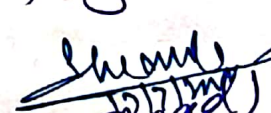

10.07.2020
Prof. N. S. Panwar
(Convener)

Hon'ble Vice-Chancellor
may kindly approve.


15.07.2020

गण्यक्रम समिति USC की बैठक 10.7.2020 में
सदस्यों द्वारा मिले गए निर्णयों में Agenda No. 03
School Board में रखा जायेगा। बोर्ड बिना संमति
के कार्यक्रम अनुमोदन हेतु प्रस्तुत किया है।
अतः माननीय कुलपति जी अनुमोदन
हेतु प्रेषित।


17/7/20


So (Head)

DR(A)

Agenda item no. 2 & 3 needs approval of School Board. Minutes of BOS are submitted for kind consideration and approval please.

Registrar

Hon'ble VC


28.7.2020

24.7.2020

17/7/20

Page 2 of 2

School Board Meeting
School of Engineering and Technology
HNB Garhwal University, Srinagar Garhwal
(Third Meeting held on 10-07-2019)

As per university notification No.: Acad/2020/234, dated 30/06/2020, the School Board meeting was held virtually on 10.07.2020, at 11.00 AM onwards, via zoom app. Following members were presents:- in the meeting.

- | | | |
|-----|--|---------------------|
| 1. | Prof. Ashish Negi, GIBPEC Gthurdauri, Pauri Garhwal - Member | Attended online |
| 2. | Prof. M.M.S. Rauthan (CSE) | " ✓ |
| 3. | Prof. N.S. Panwar (IE) | " ✓ |
| 4. | Prof. M.P. Thapliyal (CSE) | Attended online |
| 5. | Dr. Prem Nath (CSE) | " ✓ |
| 6. | Mr. Y.P. Pundir (ECE) | " ✓ |
| 7. | Mr. Vinay Prasad Tamta (IT) | " ✓ |
| 8. | Dr. Manoj Kumar Gupta (ME) | " ✓ |
| 9. | Mr. Kuldip Kumar (ECE) | " ✓ |
| 10. | Mr. Don Biswas (IE) | " ✓ |
| 11. | Prof. Y.P. Raiwani (CSE) | Chairman - chairman |

Enclosed agenda items were discussed, elaborated, worked out and resolved as stated.

Chairman

Proceedings of the Meeting of School Board of the School of Engineering and Technology
(Third Meeting held on 10-07-2020)

As per University notification No.: Acad/2020/234, dated 30/6/2020, the School Board meeting was held virtually on 10.07.2020, at 11.00 AM onwards, Via Zoom App. with id no 9655465923. Following members were present in the meeting:

- | | |
|---|-------------|
| 1. Prof. Asish Negi, GBPEC Ghurdauri, Pauri Garhwal | - Member |
| 2. Prof. M. M. S. Rauthan, Head, Dept. of CSE, HNB Garhwal University Srinagar | - Member |
| 3. Prof. N.S. Panwar, Head, Dept. of IE, HNB Garhwal University Srinagar | - Member |
| 4. Prof. M. P. Thapliyal, Dept. of CSE, HNB Garhwal University, Srinagar | - Member |
| 5. Dr Prem Nath, Associate Professor, Dept. of CSE, HNB Garhwal University Srinagar | - Member |
| 6. Mr.Y. P. Pundir, Dept. of ECE, HNB Garhwal University Srinagar | - Member |
| 7. Mr. Vinay Prasad Tamta, Dept. of IT, HNB Garhwal University Srinagar | - Member |
| 8. Dr. Manoj Kumar Gupta, ME Dept., HNB Garhwal University Srinagar | - Member |
| 9. Mr. Kuldeep Kumar, Dept. of ECE, HNB Garhwal University Srinagar | - Member |
| 10. Mr. Don Biswas, Dept. of IE, HNB Garhwal University Srinagar- | - Member |
| 11. Prof. Y. P. Raiwani, Dept. of CSE and Dean, SOET, HNB Garhwal University Srinagar | - Chairman. |

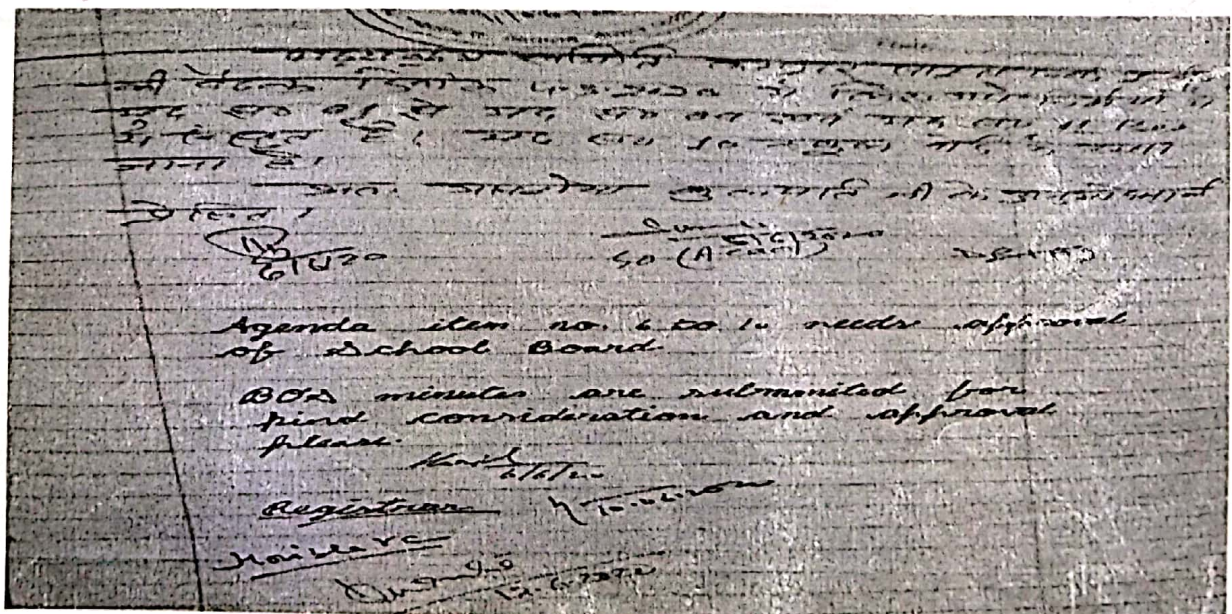
The following agenda items were discussed, elaborated, worked out and resolved as stated.

Agenda Item No. SB1: Confirmation of the Minutes of the previous School Board meeting held on 11-9-2019.

Resolution of SB: Minutes of the School Board meeting, held on 11-9-2019 were confirmed.

Agenda Item No. SB2: (i) Consideration of the recommendations of the BoS of the Department of Computer Science and Engineering held on 04/3/2020)
(Proceedings recommended by BoS is enclosed as Annexure CSE-01).

The highlights of the BoS of Computer Science and Engineering department includes:-



Item No. 6:

Constitution of the Departmental Academic Integrity Panel (DAIP) as per UGC letter D.O. No. F.1-18/2010/(CPP-II) dated 06/08/2018.

Resolution:

Following Departmental Academic Integrity Panel (DAIP) has been suggested by the committee.

1. Head, Dept. of CSE **Chairman**
2. Prof. N. S. Panwar, Senior academician outside the department **Member**
(Approved by Hon'ble Vice-Chancellor)
3. Prof. Y. P. Raiwani **Member**
(Nominated by Head of Department)

Resolution by SB:

The School Board considered the recommendations of the BoS of Department of Computer Science and Engineering, and discussed the recommendations of the BoS for the constitution of the Departmental Academic Integrity Panel (DAIP) and all the present members of the School Board unanimously agreed to recommend proposed DAIP.

Item No. 7:

Inclusion of subject, "Research and Publication Ethics (RPE)" as two credit compulsory paper in the Pre-PhD course as per UGC letter D.O. No. F. 1-1/2018 (Journal/CARE).

Resolution:

As per the decision of convener, Ordinance committee, two credit course in "Research and Publication Ethics (RPE)" has been included as part 'A' of core course. Also BOS has decided to include "Technical Writing using LaTeX" a one credit course.

Resolution by SB:

The School Board considered the recommendations of the BoS of CSE, and discussed the recommendations of the BoS for the inclusion of the subject, "Research and Publication Ethics (RPE)" as two credit compulsory paper in the Pre-PhD course as per UGC letter D.O. No. F. 1-1/2018 (Journal/CARE), and all the present members of the School Board unanimously agreed to recommend as proposed by BoS of the Department of Computer Science and Engineering.

Item No. 8:

Approval of the syllabus of the subject "Research and Publication Ethics (RPE)" as per UGC letter D.O. No. F. 1-1 / 2018 (Journal/CARE).

Resolution:

All the committee members have approved the syllabus "Research and Publication Ethics (RPE)".

Resolution by SB:

The School Board considered the recommendations of the BoS of CSE, and discussed the recommendations of the BoS for the approval of the syllabus of the subject, "Research and

Page 2 of 10

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Publication Ethics (RPE)" as per UGC letter D.O. No. F. 1-1/2018 (Journal/CARE), and all the present members of the School Board unanimously agreed to recommend as proposed by BoS of the Department of Computer Science and Engineering.

Item No. 9:

To introduce one online MOOC course from SWAYAM portal.

Resolution:

All the committee members approved online MOOC course on following areas:

- *Problem solving aspects and Python programming*
- *Animations*
- *Data Science for Engineers*
- *Deep learning*
- *Google cloud computing foundation course*
- *Introduction to Internet of Things*

Resolution by SB:

The School Board considered the recommendations of the BoS of CSE, and discussed the recommendations of the BoS for introducing online course from SWAYAM portal and all the present members of the School Board unanimously agreed to recommend the MOOC courses from SWAYAM/NPTEL with following suggestions.

- (i) *Student may opt MOOCs course of respective discipline from NPTEL/Swayam portal as a choice of Elective subject.*
- (ii) *The marks/Credit obtained by the students in the form of Certificate issued by NPTEL/Swayam will be submitted to the University examination cell for the credit transfer*

Item No. 10:

To introduce specialization in existing M.Tech (CSE) viz Information Security.

Resolution:

All the committee members have approved specialization in the following subjects.

- i. *M.Tech (CSE)*
- ii. *M.Tech (Information Security)*

(With existing approved intake)

Resolution by SB:

The School Board considered the recommendations of the BoS of CSE, and discussed the recommendations of the BoS to introduce specialization in existing M.Tech (CSE) viz Information security and all the present members of the School Board unanimously agreed to continue this



additional course as proposed by BoS of the Department of Computer Science and Engineering. Board also suggested for increasing the intake in M.Tech. programme in the Dept. of Computer Science and Engineering.

Agenda Item No. SB2: (ii) Board of Studies, meeting held on 04/07/2020, agenda items and resolutions thereof were considered, discussed and recommended for the consideration of Academic Council (AC).

(Proceedings recommended by BoS is enclosed as Enclosure CSE-02).

The highlights of the BoS of Computer Science and Engineering department includes:-

Item no. 2: AICTE has approved the duration of MCA programme for 2 years from the session 2020-21 onwards *(as per F. No. AICTE/AB/MCA/20-21 dated 03.07.2020 and approval of UGC meeting 545 held on 19.12.2019)*. It is proposed to consider the implementation of this decision in the MCA course run by Department of Computer Science and Engineering from the session 2020-21.

Resolution: All committee members were agreed to approve the 2 years MCA program as proposed. Moreover, it is decided by the committee that it will be implemented from the session 2020-21 onwards.

Item no. 3: Approval of syllabus of 2 year full time MCA programme.

Resolution: All committee members were agreed with content of the attached syllabus (Annexure-I) and approved the syllabi.

Item no. 4: Approval of the syllabus of Bridge Course only for the students passed B.Sc./ B.Com. / B.A. with Mathematics at 10+2 level or at Graduation Level and taking admission in 2 year fulltime MCA course.

Resolution: All committee members were agreed with content of the attached syllabus (Annexure-II) and approved the syllabi.

Item no. 5: Consideration of introducing online MOOC courses from SWAYAM/NPTEL.

Resolution: The committee members were agreed to introduce following MOOC courses from SWAYAM/NPTEL.

- Programming, Data Structures and Algorithms using Python
- Data Science for Engineers
- Python for Data Science
- Data Analytics with Python
- Deep Learning for Computer Vision
- Introduction to Industry 4.0 and industrial Internet of Things
- Social Networks

(Handwritten signatures and initials)

- Privacy and Security in Online Social Media
- Introduction to Blockchain Technology and Applications
- Information Security - 5 - Secure Systems Engineering
- User-centric Computing for Human-Computer Interaction
- Applied Natural Language Processing

A student may opt only two subjects during the entire course subject to the condition that the subject is run by SWAYAM/NPTEL.

Resolution by SB:

The School Board considered, discussed and recommended all the resolutions and recommendations (of the BoS of the Computer Science and Engineering Department for consideration of Academic Council of the University with following suggestions.

- Student may opt MOOCs course of respective discipline from NPTEL/Swayam portal as a choice of Elective subject in all UG/PG Courses running in the department.
- The marks/Credit obtained by the students in the form of Certificate issued by NPTEL/Swayam will be submitted to the University examination cell for the credit transfer

Agenda Item No. SB3: Consideration of the recommendations of the BoS of the Department of Mechanical Engineering held on 03/03/2020.

Resolution: The School Board considered the following recommendations of BoS of the Department of Mechanical Engineering.

Board of Studies, meeting held on 03/03/2020, agenda items and resolutions thereof were considered, discussed and recommended for the consideration of Academic Council (AC).

(Proceedings recommended by BoS are enclosed as Annexure-ME03).

The highlights of the BoS of Mechanical Engineering department includes:-

Item No. 1. Modifications of Syllabus in B.Tech (Mechanical Engg.) course run by the Mechanical Engineering Department.

Resolution: The syllabus of B.Tech Mechanical Engineering has been modified accordingly-as

Page 5 of 10

1. The contents of Syllabus of Strength of Materials (SET/ME/BT/C302), running in III Semester have been modified.
2. The contents of Syllabus of Engineering Thermodynamics (SET/ME/BT/C304), running in III Semester have been modified.
3. The nomenclature of Subject, Manufacturing Technology-I (SET/ME/BT/C402) has been changed to Manufacturing Technology (SET/ME/BT/C402), running in IV Semester. The contents of syllabus have been also modified.
4. The contents of Syllabus of Applied Thermodynamics (SET/ME/BT/C404), running in IV Semester have been modified.
5. The Subject Non-conventional Energy Resources and utilization (SET/ME/BT/C405) has been replaced to Advance Strength of Materials (SET/ME/BT/C405), running in IV Semester.
6. The Nomenclature of Subject Manufacturing Technology-II (SET/ME/BT/C503) has been changed to Advance Manufacturing Process and Automation. (SET/ME/BT/C503), running in V Semester. The content of syllabus has been also modified.
7. The contents of syllabus of Elective-III (subject) Composite Material Technology (SET/ME/E803) running in VIII Semester have been modified.
8. The Subject Elective-IV (subject) "Fatigue, Fracture, Mechanical creep (SET/ME/E806)" has been replaced to Elective-IV subject Non-conventional Energy Resources and utilization (SET/ME/BT/C806), running in VIII Semester.
9. The Subject Elective-IV (Lab) "Fatigue, Fracture, Mechanical creep (SET/ME/E813) lab." has been replaced to Elective-IV (Lab) subject Non-conventional Energy Resources and utilization lab. (SET/ME/BT/C813), running in 8th. Semester.

Resolution by SB:

The School Board considered the recommendations of the BoS of the Department of Mechanical Engineering, and discussed the recommendations of the BoS for the Modifications of Syllabus in B.Tech (Mechanical Engineering) course run by the Mechanical Engineering. All the present members of the School Board unanimously

agreed to approve the proposed B.Tech syllabus by the BoS of Mechanical Engineering Department.

Item No. 2: Approval of course and Programme outcomes of B.Tech. Mechanical Engineering.

Resolution: The proposed lists of the course and programme outcomes were approved by BoS.

Resolution by SB: *All the present members of the School Board considered and discussed the programme outcomes of various course/syllabus running under Department of Mechanical Engineering and recommended these for consideration of the academic council.*

Item No. 3: To introduce one MOOCs course in VII Semester as a choice of Elective-I

Resolution:

- (i) Student may opt one MOOCs course of respective discipline of 12 weeks duration from NPTEL Swayam portal as a choice of Elective-I subject.
- (ii) The marks/Credit obtained by the students in the form of Certificate issued by NPTEL will be submitted to the University examination cell for the credit transfer.

Resolution by SB: *The School Board considered the recommendations of the BoS of the Mechanical Engineering Department, and discussed the recommendations of the BoS for introducing online courses and all the present members of the School Board unanimously agreed to recommend the MOOC courses from SWAYAM/NPTEL as proposed by BoS of the Department of Mechanical Engineering.*

Item No. 4: Proposal to open M.Tech course in Manufacturing and Design in Mechanical Engineering Department.

Resolution: The proposal to open M. Tech course in Mechanical Engineering Department has been approved.

Resolution by SB: *The School Board considered the recommendations of the BoS of the Mechanical Engineering Department to open M.Tech course in Manufacturing and Design. This matter was discussed and recommended to implement it from the session 2021-2022 due to COVID-19 pandemic.*

Agenda Item No. SB4: Consideration of the recommendations of BoS of the Department of Instrumentation Engineering held on 10/7/2020.



Resolution of SB:

The School Board considered the following recommendations of BoS of the Department of Instrumentation Engineering.

Board of Studies, meeting held on 10/7/2020, agenda items and resolutions thereof were considered, discussed and recommended for the consideration of Academic Council (AC).

(Proceedings recommended by BoS are enclosed as Annexure- IE4).

The highlights of the BoS of Instrumentation Engineering department includes:-

Item No. 1.

Constitution of the Departmental Academic Integrity Panel (DAIP) as per UGC letter D.O. No. F.1-18/2010/ (CPP-II) dated 06/08/2018.

Resolution:

Following Departmental Academic Integrity Panel (DAIP) has been suggested by the committee (Enclosure- IE1).

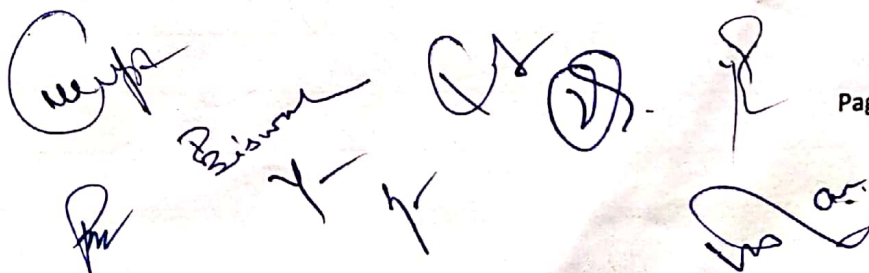
1. Head, Dept. of Instrumentation Engineering
Chairman
2. One Senior academician outside the department to be approved/ nominated by Hon'ble Vice-Chancellor
 - (i) Prof. M. M. S. Rauthan, CSE dept., Member
 - (ii) Prof. H. C. Nainwal, Geology Dept., Member
3. One member well versed in anti- plagiarism tools Nominated by Head of Department
 - (i) Prof. S.C. Bhatt, Physics Dept., Member

Resolution by SB:

The School Board considered the recommendations of the BoS of the Department of Instrumentation Engineering, and discussed the recommendations of the BoS for the Constitution of the Departmental Academic Integrity Panel (DAIP) in B.Tech (Electrical and Instrumentation Engineering). All the present members of the School Board unanimously agreed to approve the proposed DAIP by the Instrumentation Engineering Department.

Item No. 2.

- (i) Consideration of the recommendations of BoS for introducing MOOC/Swayam Courses from SWAYAM /NPTEL Platform in the Syllabus running since 2018-19 onwards.
- (ii) Consideration of the recommendations of BoS to design the syllabus in accordance with the AICTE/CBCS norms along with the courses running from the MOOC/SWAYAM platform, for B. Tech. (Electrical and Instrumentation Engineering) course for Batch 2020-21 onwards.



Resolution by SB:

The School Board considered the recommendations of the BoS of the Instrumentation Engineering Department, and discussed the recommendations of the BoS for introducing MOOC's course and designs the Syllabus accordingly. All the present members of the School Board unanimously agreed to recommend the MOOC courses from SWAYAM/ MOOCs /NPTEL and design the syllabus accordingly as proposed by Board of Studies of the Department of Instrumentation Engineering.

Item No. 3.

Confirmation of the Minutes of the previous BoS meeting held on 11-09-2019.

Resolution by SB:

Minutes of the BoS meeting, held on 11-09-2019 were confirmed. All the present members of the School Board unanimously agreed to recommend as proposed by BoS of the Department of Instrumentation Engineering recommended for the approval of Academic Council (AC).

Item No. 4.

Implementation of EWS as per MHRD letter F. No. 19-3/2019-CU dated 19 January, 2019, and DSW letter No. HNBGU/DSW/2019 dated 04-02-2019, in the course being run by the department of Instrumentation Engineering.

| Category | Total Existing Intake Capacity (2018-19) | Total student strength after increased intake (to implement EWS) | |
|--------------|--|--|------------------|
| | | 2019-20 (5% EWS) | 2020-21(10% EWS) |
| SC | 04 | 05 | 06 |
| ST | 02 | 03 | 03 |
| OBC | 09 | 09 | 11 |
| Others | 16 | 16 | 16 |
| EWS | - | 02 | 04 |
| Total | 31 | 35 | 40 |

Resolution:

Board of Studies, meeting held on 26 Feb 2019, agenda items, and resolutions thereof were considered, discussed accepted (Enclosure- IE3).

Resolution by SB:


The School Board considered the recommendations of the BoS of the Department of Instrumentation Engineering, and discussed the recommendations of the BoS for the modifications of seat matrix in B.Tech(Electrical and Instrumentation Engineering) course. All the present members of the School Board unanimously agreed to approve the proposed seat matrix of B.Tech. (Electrical and Instrumentation Engineering) course.

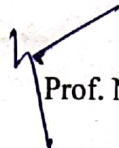
The meeting was concluded with thanks to the chair.

The item wise resolutions are being recommended for the kind consideration and approval of the Academic Council.


Attended online.

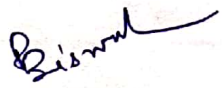
Prof. Asish Negi
External members


Prof. M. M. S. Rauthan



Prof. N.S. Panwar

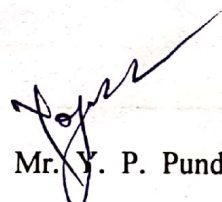
Attended online
Prof. M. P. Thapliyal



Dr. M. K. Gupta

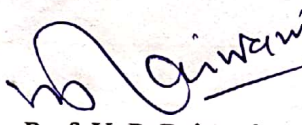

Mr. Don Biswas


Mr Kuldip Kumar


Mr. Vinay Tamta

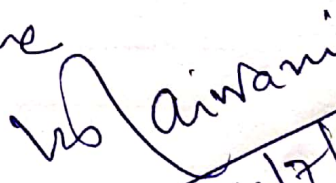

Mr. Y. P. Pundir


Dr Prem Nath


Prof. Y. P. Raiwani

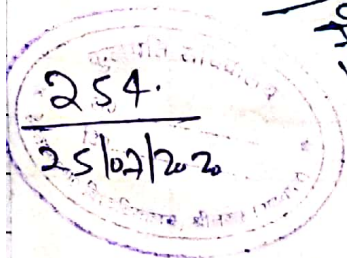
DR (Academic)/Hon'ble Vice-Chancellor

May kindly approve



10/7/2020

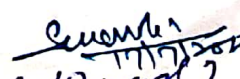
Pl. examine.

16/7/20
SO(A & R)
Sh. Kalaji



स्कूल बोर्ड इंजीनियरिंग एंड टेक्नोलॉजी
की बैठक दिनांक 10.7.2020 में सभित द्वारा
लिखित निर्णय अध्यापक जी द्वारा अनुमोदित
हो चुका है।

वतः जानकारी कुलपति जी के अनुमोदन हेतु
प्रेषित।  17/7/2020


SO(A & R)

DR(A)

From prepage:-

2 | One member for DTP needs to be selected as given in item no. 1, Page 8.

SB

Minutes of ~~BB~~ are submitted for kind consideration please.

Registrar

Hon'ble VC

28.7.2020

17/7/20

21.7.2020

