MINUTES of the online meeting of the Academic Council of the Dayalbagh Educational Institute held at 11.30 a.m. on 4th December, 2021 (Saturday)in the International Seminar Hall Complex of the Institute.

Members present

1. Prof. P.K. Kalra, Director - In the Chair
2. Prof. V. Soami Das
3. Prof. Sant Prakash
4. Prof. Poornima Jain
5. Prof. A.K. Saxena
6. Ms. Mallica Caprihan
7. Prof. V.B. Gupta
8. Shri V.P. Malhotra
9. Prof. Jamuna Prasad

The following were present in on-line mode

10. Prof. Sharmila Saxena
11. Prof. Pramod Kumar
12. Prof. Nandita Satsangee
13. Prof. Gur Saran
14. Prof. C. Patvardhan
15. Prof. K. Shanti Swarup
16. Prof. G.P. Jandial
17. Prof. Sona Ahuja
18. Prof. Agam Kulshrestha
19. Dr. Meenakshi Thakur
20. Prof. Ravi Kumar Bhatnagar
21. Prof. V.K. Gangal
22. Prof. N.P.S. Chandel
23. Prof. D.K. Chaturvedi
24. Prof. Sukhdev Roy
25. Prof. Sahab Dass
26. Prof. S.P. Srivastava
27. Prof. Sanjeev Swami
28. Dr. Rajnesh Sharma
29. Dr. Namasya
30. Prof. Praveen Saxena
31. Shri Kumar Ratnakar
32. Dr. Mala Bal
33. Dr. A.K. Dwivedi
34. Shri Rajiv Sinha
35. Prof. Pami Dua
36. Prof. Hazur Saran
37. Prof. P.K. Kalra, IIT Delhi

Prof. Anand Mohan, Registrar - Secretary

The Members expressed appreciation for the valuable services rendered by the following outgoing member of the Academic Council of the Institute and welcomed the new Members:-

S.N.	New Members	Outgoing Member
1	Prof. Sukhdev Roy, Head, Department of Physics & Computer Science, Faculty of Science	Prof. Vibha Rani Satsangi, Ex-Head, Department of Physics & Computer Science, Faculty of Science
	Teacher representative from Faculty of Arts	
1	Dr. Namasya, Department of Hindi,Faculty of Arts	

1.   The minutes of the last meeting of the Academic Council of the Dayalbagh Educational Institute held on 12/13 July, 2021, were confirmed.

2.   Considered the initiatives taken by the newly established International Center for Agroecology, New Jersey, USA in collaboration with the Dayalbagh Educational Institute (Deemed to be University), as given below:-

The Center for Agroecology at New Jersey spans across 19.5 acres of land with 4 acres of wetland and this is residential zoned property specifically R-120. The property was purchased in 2005 by DRSANA. New York Branch has been having monthly Satsang, special Satsangs and celebrating important events like Holi and Basant at the venue. The registration of the center is non-profit organisation under section 501(c)(3).

The international Centre for Agroecology will perform research at various levels beginning with conception/inception and covering birth, schooling at various levels Pre-primary, High School, Intermediate College, University [Undergraduate, Graduate, Doctoral, Post-Doctoral, Faculty of various designations (before and after retirement including voluntary retirement)] with a view to publish their research findings in National and International Journals of recognised standing resulting not only in research publications but also Patents particularly in Co-op mode of education with concerned industry also serving as an incubator for entrepreneurship. As and when considered appropriate it may also seek commercial transactions based on patents for Technology Transfer to industry (Public or Private).

The following initiatives have been taken up
- 2 Recreational Vehicles have been procured-
  (i) One of them is at ICA for caretaker and utilized for e-transmission (Low -end)
  (ii) The second one is focused on Research and hosting visiting scientists (High End)
- Prepared the ICA property for RV parking and private car parking
- Preliminary Testing has been performed-
  (i) Soil Testing
  (ii) Rock Testing
  (iii) Water Testing
  (iv) Flora and Fauna Survey

The Future Action Plan includes:-
- Installation of Air Quality and meteorological measurement unit.
- Conducting baseline testing at ICA especially wetlands.
- Initiating the New Jersey Department of Environmental Protection (NJDEP) Letter of interpretation (LOI) process to delineate wetlands.
- 3 patent reassignment to DEI and non-exclusive transfer of technology to Rajaborari and ICA.
- University and affiliated institutes collaborations.
- Identification of small achievable experiments using rich specimens from the wetlands of ICA.

Members noted the above description of the Centre and suggested the following:-

1. DEI to initiate Air Quality, Soil Quality and Water Quality measurements at ICA
2. Joint Research Activities by various departments of DEI
3. Patent reassignment to DEI and non-exclusive transfer of technology to Rajaborari and ICA
4. Collaborations with University and affiliated institutes in India and abroad
5. Identification of small achievable experiments at ICA by   DEI   and   other partners
6. Ensure better coordination and dissemination of information about the developments at ICA.

Members also suggested that a formal protocol should be maintained in respect of sharing all the documents for the purpose of transparency. Coordinator, IQAC (Prof. S.P. Saxena, Faculty of Commerce) and NIRF (Prof. Sukhdev Roy, Head, Department of Physics and Computer Science) should be kept in loop to maintain a repository of the data.

Resolved that the suggestions as above be followed by the Incharge of the Centre.

3. Considered the proposal of the Coordinator, B.Tech. Agricultural Engineering for the approval of syllabus of B.Tech. Agricultural Engineering (IV Semester) in the session 2021-22 which has the recommendation of Curriculum Development Committee (Appendix-I).

Presentation was made by Prof. Ashok Yadav, Coordinator, B.Tech. Agriculture Engineering.

Members suggested that special farming in the domain of Agroecology and bulk-scale of farming may also be included in the curriculum. Prof. Jamuna Prasad may assist in the process of gul and onsite labs to be initiated in the area of 4 acres land of the Bio-diversity Park where Potacabin/Internet/Electricity/solar facilities are available.

Resolved that syllabus of B.Tech. Agricultural Engineering IV Semester be and is hereby approved and the above observations be noted for further action.

4. Considered the proposal of the Dean, Faculty of Engineering for changing-

(a) minimum & maximum credit in a semester for the students of M.Tech. Full Time/Part-Time, as under:-

Program Name	Specialization	Semester	Existing		Proposed		
			Min. Credit	Max. Credit	Min. credit	Rec. credit	Max. credit
M.Tech.	None	SM1	20	20	16	20	28
M.Tech.	None	SM2	20	20	16	20	28
M.Tech.	None	SM3	4	4	4	4	4
M.Tech.	None	SM4	20	20	16	20	28
M.Tech.	None	SM5	20	20	16	20	28
M.Tech.	Computer Science	SM1	20	24	16	20	28
M.Tech.	Computer Science	SM2	20	20	16	20	28
M.Tech.	Computer Science	SM3	5	5	4	4	5
M.Tech.	Computer Science	SM4	20	20	16	20	28
M.Tech.	Computer Science	SM5	20	20	16	20	28
M.Tech. (Part time)	None	SM1	12	12	8	12	20
M.Tech. (Part time)	None	SM2	12	12	8	12	20
M.Tech. (Part time)	None	SM3	4	4	4	4	4
M.Tech. (Part time)	None	SM4	12	12	8	12	20
M.Tech. (Part time)	None	SM5	12	12	8	12	20
M.Tech. (Part time)	None	SM6	8	8	4	8	20
M.Tech. (Part time)	None	SM7	8	8	4	8	20
M.Tech. (Part time)	None	SM8	16	16	4	16	16

(b)   minimum & maximum credit in a semester for the students of B.Tech. (Electrical) part-time as under:-

Program Name	Specialization	Semester	Existing		Proposed	
			Min. Credit	Max. Credit	Min. Credit	Max. Credit
B.Tech.(Part time)	None	SM1	16.5	16.5	12	24
B.Tech.(Part time)	None	SM2	15.5	15.5	12	24
B.Tech.(Part time)	None	SM3	18	18	10	24
B.Tech.(Part time)	None	SM4	18	18	10	24
B.Tech.(Part time)	None	SM5	19	19	10	24
B.Tech.(Part time)	None	SM6	18	18	10	24
B.Tech.(Part time)	None	SM7	18	18	6	24
B.Tech.(Part time)	None	SM8	17	17	6	24
B.Tech.(Part time)	None	SM9	12	12	6	24
B.Tech.(Part time)	None	SM10	8	8	6	24

Resolved that on the basis of the suggestions of the members the following credit limits be and is hereby approved under the Flexible Choice Based Credit System.

TABLE – 1
Credit Limits for B.Tech. (Part Time)

Semester	Existing Credits		Approved Credits		
	Minimum	Maximum	Minimum	Recommended	Maximum
I	16.5	16.5	0	16.5	24
II	15.5	15.5	0	15.5	24
III	18	18	0	18	24
IV	18	18	0	18	24
V	19	19	0	19	24
VI	18	18	0	18	24
VII	18	18	0	18	24
VIII	17	17	0	17	24
IX	12	12	0	12	24
X	8	8	0	8	24

TABLE – 2
Credit Limits for M.Tech. (Full Time)

Semester	Existing Credits		Approved Credits		
	Minimum	Maximum	Minimum	Recommended	Maximum
I	20	20 / 24	0	20	28
II	20	20	0	20	28
III	4	4	0	4	4
IV	20	20	0	20	28
V	20	20	0	20	28
All others	–	–	0	–	28

TABLE – 3
Credit Limits for M.Tech. (Part Time)

Semester	Existing Credits		Approved Credits		
	Minimum	Maximum	Minimum	Recommended	Maximum
I	12	12	0	12	24
II	12	12	0	12	24
III	4	4	0	4	4
IV	12	12	0	12	24
V	12	12	0	12	24
VI	8	8	0	8	24
VII	8	8	0	8	24
VIII	16	16	0	16	24

Resolved further that –

(i).   all M.Tech. Courses will be available to students of all M.Tech. Programs (Engineering Systems, and Engineering Systems with Computer Science specialization).

(ii)   When a student registers for lesser credits than recommended, the registration be checked and verified by a designated staff member to ensure that all credit requirements can be completed within the maximum duration applicable for the program.

(iii)   In case a student wishes to register for more credits than the maximum specified in the above tables, the same may be permitted if recommended by the concerned Head of Department and Dean of the Faculty, subject to availability of staff and minimum number of registered students.

5.   Considered the proposal for adopting code of ethics for on-line learners as given in Appendix-II.

        The members were informed that the Code of Ethics for Online Learners was submitted by the Committee constituted by the Institute under the Convenorship of Prof. Sanjeev Swami and comprising Prof. Gur Saran, Prof. V.B. Gupta, Prof. N.P.S. Chandel, Prof. Pramod Kumar and Dr. Vinod F. Khobragade as members. Brief presentation was made in the meeting by Prof. V.B. Gupta / Prof. Gur Saran.

        Members suggested that in the clause dealing with celebration of national events, Institute events be also included; e.g., Innovation, Quality & Values Day and Founder's Day.

        Further, it was also suggested that Code of Ethics for Online learners be translated in Hindi as well. Both the English and Hindi versions be submitted to the Registrar, DEI for further consideration. A digital version of the Code of Ethics for Online Leaners should be attached to Student's Diary.

        Resolved that the Code of Ethics for online learners as given in Appendix-II be and is hereby approved incorporating the observations by members.

6.   Considered the proposal for adopting-

(a)   Minimum Standard and Procedure for improving the quality at the entry level for Ph.D. Entrance Examination, as under:-

i)   The Institute will admit Ph.D. students through an entrance test (RET). Rules for exemption for UGC NET/ CSIR JRF/SLET/ GATE and the Institute's direct entry policy will continue as in practice.

ii)   All admissions will be based on 50% Entrance Test + 50% (Interview + Open Book Test).

iii)   The syllabus of the RET shall consist of 50% Research methodology and 50% of specific subject. Candidates with at least 50% score will qualify for interview.

iv)   It shall be followed by an interview (20%) + [30% innovative Open Book Test (OBT)].

●   An interview/viva-voce where the candidates are required to discuss their research interest/area through a presentation before a duly constituted Department Research Committee (DRC). The interview shall also consider the following aspects: Whether (i) the candidate possesses the competence for the proposed research; the research work can be suitably undertaken at the Institute; it contributes to new/additional knowledge (20%).

●   The Department Research Committee (DRC) will also conduct a Case study/Situation test/ Problem approach to fathom the 'innovative' temperament of the candidate (30%).

        Resolved that the revised minimum standard and procedure be and is hereby approved for improving the quality at the entry level for Ph.D. Entrance Examination, as under:-

1)   Institute will admit PhD students through a centrally organised entrance test (RET). Rules for exemption for UGC NET/ CSIR- JRF/SLET/ GATE and the Institute's direct entry policy will continue as in practice.

2)   The syllabus of the RET shall consist of 50% Research methodology and 50% of Subject specifics. The Candidates shall score at least 50% to qualify for interview.

3)   All admissions will be based on Entrance test (50%) + Interview (18%) + Open Book Test (20%) + CCA (12%)

4)   Each department shall constitute a "Department Research Committee (DRC)" for the interview/viva voce where the candidates are required to discuss their research interest/area through a presentation. The interview shall also consider the following aspects: Whether (i) the candidate possesses the competence for the proposed research; the research work can be suitably undertaken at the Institute; it contributes to new/additional knowledge (18%)
.
5)   The Department Research Committee (DRC) will also conduct a Case study/Situation test/ Problem approach to fathom the 'innovative' temperament of the candidate (20%).

(b)   The same process shall apply for all Post-Graduate Entrance Examination programmes including Open Book Text (OBT).

   Resolved that the procedure as given in (a) be and is hereby approved for all postgraduate Entrance Examination.

(c)   The following guidelines for the award of Undergraduate Research Award (UGRA) is approved which as given in Appendix-III.

   Resolved that the guidelines for the Under Graduate Research Award (UGRA) is approved and will be applicable to all the Faculties.

7.   Considered the proposal of the Controller of Examination-

(i)   for the approval of the Degree/Certificate, which is to be conferred for the following programmes in the ensuing convocation (Appendix-IV):-

S.N.	Name of Course
1.	Bachelor of Vocation (B.Voc.) in Ceramic and Pottery Design
2.	Bachelor of Vocation (B.Voc.) in Commercial Art
3.	Bachelor of Vocation (B.Voc.) in Tourism and Hospitality Management
4.	Bachelor of Vocation (B.Voc.) in Accounting and Taxation
5.	Bachelor of Vocation (B.Voc.) in A.I. & Robotics
6.	Bachelor of Vocation (B.Voc.) in Digital Manufacturing
7.	Bachelor of Vocation (B.Voc.) in Greenhouse Technology
8.	Bachelor of Vocation (B.Voc.) in Telecommunication
9.	Bachelor of Vocation (B.Voc.) in Telematics
10.	Bachelor of Vocation (B.Voc.) in Banking and Finance
11.	Bachelor of Architecture
12.	Bachelor of Business Administration (Logistics)
13.	Bachelor of Business Administration (Retail)
14.	Master of Business Administration (Waste Management & Social Entrepreneurship)
15.	Bachelor of Commerce (Transdisciplinary)
16.	Bachelor of Science (Transdisciplinary)

   Resolved that the formats as given in the said appendix for the degrees/diplomas as above, be and are hereby approved and recommendation be made to the Board of Management (Governing Body) for its approval.

(ii)   for the approval of instituting one Director's Medal for each of the aforesaid programme.

   Resolved that proposal as above be and is hereby approved and recommendation be made to the Board of Management (Governing Body) for its approval.

(iii)   for the approval of instituting one Director's Medal for securing highest grade points in each of the programme Cultural Education & Comparative Study of Religion in B.Voc. (Ceramic and Pottery Design), B.Voc. (Commercial Art), B.Voc. (Tourism and Hospitality Management), B.Voc. (Accounting and Taxation), B.Voc. (A.I. & Robotics), B.Voc. (Digital Manufacturing), B.Voc. (Greenhouse Technology), B.Voc. (Telecommunication), B.Voc. (Telematics), B.Voc. (Banking and Finance), B.Arch., B.B.A (Logistics), B.B.A. (Retail), M.B.A. (Waste Management & Social Entrepreneur

Resolved that proposal as above be and is hereby approved and recommendation be made to the Board of Management (Governing Body) for its approval.

8.   Considered the proposal of the Principal, DEI Technical College that students of Diploma Modular Programmes who are required to repeat only one module due to some reason, should have to pay fees only for that module and not for the whole semester.

Resolved that in view of above proposal Module fee be and is hereby approved to be collected instead of semester fee so that students can pay the fee only to repeat the Module.

9.   Considered the proposal of the Head, Department of Sociology & Political Science and Dean, Faculty of Social Sciences for the approval of the following:-

(i)(a)   Seats allocation in the B.A. Social Sciences may be increased to 150 instead of 80 from the session 2022-23.

Resolved that proposal as above be and is hereby approved.

(i)(b)   Seats allocation in the M.A. Social Sciences may be increased to 30 instead of 20 from the session 2022-23.

Resolved that proposal as above be and is hereby approved.

(ii)   Transfer of students from off-line to on-line may be permitted at any time on the request of the student.

Resolved that proposal as above be and is hereby approved except at the time of end semester.

(iii)   On medical grounds, a student may be permitted to appear for the examination at ICT Centre.

Resolved that proposal as above be and is hereby approved.

(iv)   Modular Programmes- to re-introduce remedial system under the Modular Examination System keeping in view the student has to wait a year in the event of being failed in the last and penultimate modules.

Resolved that the existing scheme of Modular System will continue without remedial, however, in case, the student gets failed those modules can be offered during the summer vacation by the concerned Department to save the time of the student.

10.   Considered the proposal for including NCC as an elective subject in the curriculum of the Institute under Choice Based Credit System (CBCS) as per New Education Policy.

Resolved that the proposal be and is hereby approved from the session 2022-23.

Resolved further that Coordinator NCC should submit detailed syllabus along with allocated credits to Controller of Examination.

11.   The Academic Council noted the minutes of the Standing Committee of the Academic Council of the Institute dated 11.9.2021, 16.9.2021, 21.10.2021 and 18.11.2021 (Appendix-V).

ANY OTHER ITEM

1. Considered the proposal of the Incharge, CART to introduce One Year Certificate Programme on "Electric Vehicle Service Technician" as per details given below:-

   1. **Programme Title:** Electric Vehicle Service Technician
   2. **Duration:** Four Modules (One-year, 9-weeks each module)
   3. **Eligibility:** 10th Pass
   4. **Age:** 15 Years (Minimum)
   5. **Intake:** 24 seats
   6. **Programme Fee:** Rs. 750/- per Module
   7. **Sector:** Automotive
   8. **NSQF Level:** Level 5 (ASC/Q1424)
   9. **Job Role:** EV Mechanic
   10. **Programme Structure:**

   The programme will be of four modules i.e. Certificate Programme. The Module Titles and credits in broad are as follows:

S.No.	Module	Module Outcome	Credits	Referred QP- NOS
1	Module 1	Basics of Electric Vehicle system	10	ASC/Q1424
2	Module 2	Fault Diagnosis & EV System Repairs	10	ASC / N1435, ASC/ N1436, ASC / N1437
3	Module 3	On Job Training: Repair of EV	10	ASC / N1435, ASC/ N1436, ASC / N1437
4	Module 4	EV Workshop Management	10	ASC/N9812, ASC/N9813

   In each module, the Institute Core Course will be of 01 credit, as followed in the other Certificate programmes.

DETAILED SYLLABUS

MODULE -1 (First Semester)   **Module Title:** Basics of Electric Vehicle system

S. N.	Course Number	Course Title	Course Type	Credits	Periods/ week
1.	MEV 111	Introduction to Electric Vehicle	Theory	2	4
2.	MEV 112	EV Workshop – I	Practical	6	24
3.	MMC 111	Basic W/S Science & Calculations -I	Theory	2	4
4.	MCC 111	Abridged Core Course 1	T + P	1	3

Course Code:	MEV 111
Course Title:	Introduction to Electric Vehicle
Total Credits:	2

UNIT 1: INTRODUCTION
Importance of safety and general precautions required for the trade, Importance of the trade, Types of work to be done by trainees in the institute, Scope of Electric Vehicle Repair work, Types of services have to plan, Role of EV Mechanic, nature of job done by EV Mechanics. Different tools and equipment used in EV Workshop
UNIT 2: Existing Motor Vehicle Systems
Different Motor Vehicle Systems- Two-wheeler, Three-wheeler and Four- wheeler, Different sub systems of two-wheeler, three-wheeler and four-wheeler. Engine & Transmission Systems of Existing motor vehicles
UNIT 3: Electric Vehicle Technology
Different Electric Power Sources- its specification, capacity, parameters measurements and Power Transmission systems for different Electric Vehicle systems
UNIT 4: Conversion of Power Generation Unit in different Electric Vehicles
Installation process of Power Generation System in different Electric Vehicles viz., two-wheelers, three-wheelers and four-wheelers
UNIT 5: Conversion of Transmission System in different Electric Vehicles
Installation process of Transmission System in different Electric Vehicles viz., two-wheelers, three-wheelers and four-wheelers

Course Code:	MEV 112
Course Title:	EV Workshop - I
Total Credits:	6

UNIT 1: INTRODUCTION
Safety and general precautions required in the EV Workshop, Types of work to be done in the EV Workshop, Preparation of Service Plan, Understand how to use the Tools and Equipment in the EV Workshop

UNIT 2: Existing Motor Vehicle Systems
Understanding different Motor Vehicle Systems- Two-wheeler, Three-wheeler and Four- wheeler. Understanding and recognizing the existing systems of a Motor Vehicle: Engine, transmission, suspension, Lubrication, Cooling, Importance of Engine & Transmission Systems of Existing motor vehicles

UNIT 3: Electric Vehicle Technology
Understanding Different Electric Power Sources- its specification, capacity, Measurement of different parameters- current, voltage, torque etc.   and understanding of Power Transmission systems for different Electric Vehicle systems and working of each component of the system

UNIT 4: Conversion to Electric Vehicle Systems
Installation of Power Generation System in different Electric Vehicles viz., two-wheelers, three-wheelers and four-wheelers and its testing

UNIT 5: Conversion of Transmission System in different Electric Vehicles
Installation of Transmission System in different Electric Vehicles viz., two-wheelers, three-wheelers and four-wheelers and its testing
Test Drive, observations and corrective measures post-conversion of power generation and transmission systems.

Course Code:	MMC 111
Course Title:	Basic W/S Science & Calculations -I
Total Credits:	2

The same Course is offered to Fitter /Turner/ Welder. Syllabus will be common.

Course Code:	MCC 111
Course Title:	Abridged Core Course 1
Total Credits:	1

The same Course is offered to all Certificate Programmes. Syllabus will be common for all.

Resolved that proposal as above be and is hereby approved.

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

Dated: 4.12.2021   (Prof. Anand Mohan)
                                                                          REGISTRAR

Note: The appendices referred in these minutes relate to the agenda.