

**RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

MINUTES

FIRST MEETING OF THE ACADEMIC COUNCIL

DATE & TIME – 25 JANUARY 2021. 11.00 AM

VENUE – RSET CAMPUS & ONLINE



RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)

First meeting of the Academic Council

Venue- RSET campus & online

Date – 25 January 2021.

Time -11am

Programme

- 1.Silent prayer
- 2.Welcome speech – Prof.Dr. P.S.Sreejith, Chairman & Principal
- 3.Self-Introduction by members.
- 4.Discussion on agenda.

AGENDA

Item No. AC 1/01/1 – Reporting.

Board of Studies for different Departments (including two subject experts from outside the parent University - clause 13.5.3 -UGC regulations) have been constituted.

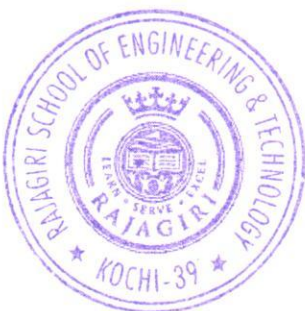
The constitution of BOS is reported to the AC for ratification of nomination of two subject experts from outside the parent University.

Item No.AC 1/01/2 – Approval of Examination Manual.

Clause 11 of UGC regulations 2018 for Autonomous Colleges provides for Examination System and Cell. For the smooth functioning of examination system, an **Examination Manual** for RSET incorporating rules, clauses, provisions, and procedures for constituting an effective examination system has been prepared.

Item No.AC/01/3 – Approval of Regulations and Curriculum.

Regulations and Curriculum for B.Tech and M.Tech programmes have been discussed. It is proposed to adopt regulations and curriculum of APJAKTU, the parent University.



Item No. AC 1/01/4 – Approval of Syllabi.

Syllabi for the first year B.Tech and M.Tech programmes have been discussed and finalised by BOS of departments concerned with consensus to adopt the APJAKTU syllabus for first year programmes for the current academic year.

Item No. AC 1/01/5 – New B.Tech programme – Artificial Intelligence and Data Science - Approval of Curriculum and Syllabus

The Curriculum and Syllabus for the new B.Tech programme “Artificial Intelligence and Data Science” under the Departments of Information Technology and Mathematics is presented for approval.

Item No.AC 1/01/6 – Approval for starting new Certificate Courses in the Department of Mechanical Engineering.

BOS for Mechanical Engineering has recommended three new Certificate courses.

- 1) FEA and CFD for Engineers using ANSYS.
- 2) Advanced Manufacturing, Metrology & Material Testing.
- 3) Mechanical QA/QC Engineering. The syllabi for the courses have been approved by the BOS.

Item No.AC 1/01/7 – Approval for starting two Diploma/Certificate courses in the Department of Applied Electronics & Instrumentation.

BOS for AE&I has recommended two Diploma/Certificate Courses.

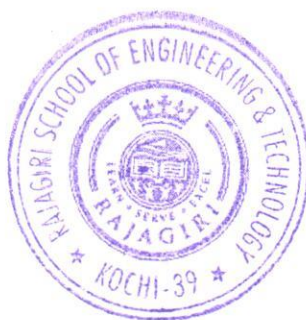
- 1.Hands-on course for Artificial Intelligence and Machine learning
2. Smart Automation Tools. The syllabi for the courses have been approved by the BOS.

Item No.AC 1/01/8 - Approval for starting new Certificate course in the Department of Mathematics.

BOS for the Department of Mathematics has recommended one new Certificate course titled “CERIFICATE PROGRAMME IN MATHEMATICS FOR DATA SCIENCE”. The syllabus for the course has been approved by the BOS.

Item No.AC 1/01/9 – Approval for starting of new Certificate course in Chemistry.

BOS for Chemistry has recommended one new certificate course titled “Nanocomposites”. The syllabus for the course has been approved by the BOS.



Item No.AC 1/01/10 – Approval for starting of new Certificate course in the Department of Information Technology.

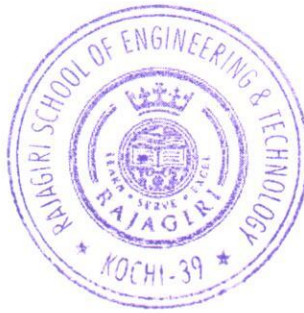
BOS for the Department of Information Technology has recommended one new certificate course on Basic R Programming. The syllabus for the course has been approved by the BOS.

Item No.AC 1/01/11 - Other items if any, admitted by the Chair.



Prof.Dr.P.S. Sreejith

Chairman &Principal



RSET

15.01.2021

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Signature



Attendance

1	Dr.P.S. Sreejith, Principal & Chairman	Present
2	Rev. Dr. Jaison Paul Mulerickal CMI, Vice Principal RSET	Present
3	Dr. Vinod Kumar P.B, Controller of Examinations& Dean (P G), RSET	Present
4	Rev.Dr. Joel George Pullolil CMI, Asst: Director & Dean (U G) RSET	Present
5	Dr. K.Paulose Jacob ,Dean Research	Present
6	Dr. Sunil Jacob John, Asso. Professor, Dept: of Mathematics,NIT, Calicut	Joined online
7	Dr. Tide P S, Professor, Dept: of Mechanical Engineering, School of Engineering, CUSAT	Present
8	Mr. Rajeev Mullakkara Azhuvath, Enterprise Architect, TCS, Kochi	Joined online
9	Prof. Vincent K John, (H O D, Dept: of Civil Engineering)	Present
10	Dr. Manoj G Tharian, (H O D, Dept:of Mechanical Engineering)	Present
11	Dr. Elizabeth Rita Samuel, (H O D, Dept:of Electrical & Electronics Engineering)	Present
12	Dr. Rithu James, (H O D, Dept:of Electronics & Communication Engineering)	Present
13	Dr. Dhanya P M, (H O D, Dept:of Computer Science & Engineering)	Present
14	Dr. Neeba E A, (H O D, Dept:of Information Technology)	Present
15	Dr. Hari C V, (H O D, Dept: of Applied Electronics & Instrumentation)	Present
16	Dr. Ramkumar.P.B(HOD, Department of Mathematics)	Present
17	Dr. Sonia Paul, H O D, (Dept:of Basic Sciences & Humanities)	Present
18	Ms. Liza Annie Joseph (Member Secretary)	Present

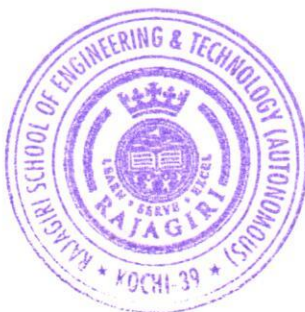
Special Invitees

Fr. Mejo Paul, CMI, Dr. Sreekumar.G, Deputy Controllers of Examinations

Leave of Absence.

Dr. Lillykutty Jacob, Professor, (HAG) Dept: of ECE, NIT, Calicut.

Liza Annie Joseph



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The meeting commenced at 11.00 am with a silent prayer.

Prof.Dr. Sreejith. P.S Principal & Chairman delivered the welcome speech. He welcomed all Academic Council members who were physically present and those joined online.

After the welcome address members introduced themselves.

Detailed discussions on agenda commenced afterwards.

Item No AC 1/01/1 – Reporting

The Chairman, Prof. Dr. Sreejith P.S, reported the constitution of Board of Studies for different Departments, including two subject experts from outside the parent University to be nominated by the Academic Council. The list of subject experts was presented before the AC.

The Chairman requested the Academic Council to ratify nominations.

LIST OF SUBJECT EXPERTS			
CIVIL			
1	Dr. Sobha Cyrus	Professor & Head, NITTR Extension Centre, Kalamassery	
2	Dr. Radhakrishna.G.Pillai	Associate Professor,IIT Madras	
MECHANICAL			
1	Dr. Biju.N	Professor,Dept. of Mechanical Engineering. School of Engineering, CUSAT	
2	Dr. C.Muraleedharan	Professor (HAG), NIT Calicut	
EEE			
1	Dr. Manas Kumar Jena	Assistant Professor (Electrical Engineering, IIT, Palakkad)	
2	Dr. Sindhu.M.R	Amrita School of Engineering	
ECE			
1	Dr. Vinod.A.Prasad	Professor & Dean, Industry Collaboration and Sponsored Research, Electrical Engineering, IIT, Palakkad	
2	Dr. S.M.Sameer	Professor, ECE, NIT, Calicut	
CSE			
1	Dr. Madhu Mutyam	Professor, Dept. of CSE, IIT, Madras	
2	Dr. Vineeth Paleri	Professor, Dept. of CSE, NIT, Calicut	
IT			
1	Dr. Unnikrishnan.C	Assistant Professor, IIT, Palakkad	
2	Dr. Vimina.E.R	Assistant Professor, (Dept. of CSE&IT), Amrita School of Arts and Sciences, Kochi	
AE&I			
1	Dr. Sreenath Vijayakumar	Assistant Professor, Electrical Engineering IIT, Palakkad	

Lizhasep



2	Dr. Raghu .C.V	Assistant Professor, (Dept. of ECE) , NIT, Calicut	
MATHEMATICS			
1	Dr. Sunil Jacob John	NIT, Calicut	
2	Dr. Sherry Fernandez	CUSAT	
BS&H(PHYSICS)			
1	Dr. Pramod Gopinath	Director & Professor, International School of Photonics, CUSAT	
2	Dr.Titus.K.Mathew	Professor & HOD, Dept of Physics, CUSAT	
BS&H(CHEMISTRY)			
1	Dr. Soney Varghese	Associate Professor, NIT, Calicut	
2	Dr. Honey John	Professor, CUSAT	
BS&H(ENGLISH)			
1	Prof. C.S Jairam	Formerly Professor & HOD, Dept. of English, SH College, Thevara	
2	Dr. Joseph Koyippally	Associate Professor, Central University of Kerala, kasargod	
BS&H(ECONOMICS)			
1	Dr.S.Muraleedharan	Visiting Faculty, Dr.K.N.Raj Centre, MGU and School of Industrial Fisheries, CUSAT	
2	Dr.Sunilkumar.S.Menon	Associate Professor, Maharajas College, Ernakulam	
BS&H (PHYSICAL EDUCATION)			
1	Dr. Dhinu.MR	Associate Professor & Deputy Director of Physical Education, SS University of Sanskrit, Kalady	
2	Dr. Jayarajan David.D	Director of Physical Education, University of Kerala	

Resolution of the AC

Resolved to ratify the nomination of two Subject Experts outside the parent University to the Board of Studies of each Department.

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Item No.AC 1/01/2 – Approval of Examination Manual.

Clause 11 of UGC regulations 2018 for Autonomous Colleges provides for Examination System and Cell. For the smooth functioning of examination system, an **Examination Manual** for RSET incorporating rules, clauses, provisions, and procedures for constituting an effective examination system has been prepared.

The Chairman invited the Controller of Examinations, Prof.VinodKumar.P.B to present the Examination Manual.

Since soft copies of the Examination Manual have already been circulated to the members, the Controller of Examinations briefly explained all important provisions of the Examination Manual.

There were deliberations about the distribution of marks, evaluation, evaluation by external examiners, and the size of course code.

Mr. Rajeev Azhuvath, recommended open book examinations. For a beginning it can be introduced for internal examinations. He also recommended special credits for “Mooc Courses” from reputed Universities/Institutions.

Dr.Sunil Jacob John sought details about the calculation of attendance, and also the time limit for submitting application for revaluation.

The Chairman opined that “Mooc courses” can be incorporated only as per guidelines of the parent University.

The Controller of examinations requested the AC to approve the Examination Manual.

Resolution of the AC

Resolved to approve the Examination Manual of RSET (Autonomous).

Lizy Joseph



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Item No.AC/01/3 – Approval of Regulations and Curriculum.

Regulations and Curriculum for B.Tech and M.Tech programmes were presented before the Academic Council. The Chairman clarified that RSET proposes to adopt regulations and curriculum of APJAKTU, the parent University in full, owing to the pandemic situation. The BOS for various departments have also recommended the same.

The Chairman requested the Academic Council to approve Regulations and Curriculum for UG and PG Programmes.

Resolution of the AC

Resolved to approve the recommendations of various Boards of Studies to adopt the B.Tech and M.Tech Regulations and Curriculum of APJ Abdul Kalam Technological University (the parent University), for UG and PG Programmes of RSET (Autonomous).

Item No. AC 1/01/4 – Approval of Syllabi.

Syllabi for the first year (Semester I & II) B.Tech and M.Tech programmes have been discussed and finalised by BOS of departments concerned. It has been recommended to adopt the APJAKTU syllabus for first year B.Tech and M.Tech programmes for the current academic year without any change. The recommendations of various Board of Studies, in this regard were presented before the Academic Council.

The chairman informed that an Autonomous Institution can change up to 20% of the syllabus of the parent university; but RSET proposes to adopt the APJAKTU syllabus for first year B.Tech and M.Tech programmes for the current academic year without any change.

The Chairman requested the Academic Council to approve the syllabi.

Resolution of the AC

Resolved to approve the recommendations of various Boards of Studies to adopt the first year (Semester I &II) B.Tech and M.Tech syllabi of APJ Abdul Kalam Technological University (the parent University), for UG and PG Programmes of RSET (Autonomous) for the Academic year 2020-21.

Lizy Joseph



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Item No. AC 1/01/5 – New B.Tech programme – Artificial Intelligence and Data Science -Approval of Curriculum and Syllabus.

The Curriculum and full Syllabus for the new B.Tech programme “Artificial Intelligence and Data Science” under the Departments of Information Technology and Mathematics have been discussed and finalized by the BOS and presented before the Academic Council.

The Chairman invited Dr.Neeba, HOD IT and Chairperson BOS for IT, to present the curriculum and syllabus.

Presenting the curriculum and syllabus, Dr.Neeba, said that the curriculum and syllabus have been prepared by the Departments of IT and Mathematics together. It was also forwarded to TCS for expert suggestions.

Dr. Sunil Jacob John remarked that the syllabus is exhaustive. He also suggested that fully equipped faculty should also be available. He also suggested that industry oriented programmes shall be included as electives.

Mr. Rajeev Azhuvath remarked that hands on training shall be mooted reducing theory component. He also remarked that AI is inter disciplinary in nature, and the course curriculum may be reviewed each year. He suggested a “five-year integrated programme” as a long-range plan.

The Chairman assured the council to consider all suggestions in future.

Dr. Poulse Jacob suggested that the whole structure of the course should be made available so that it will be more attractive.

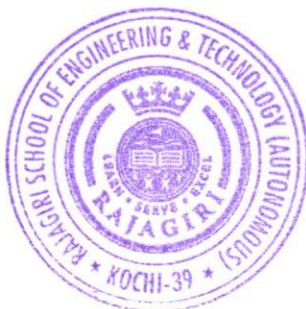
The Chairman recommended approval of the whole syllabus and submit the same to the University.

The Council congratulated the Heads of Departments of IT & Mathematics for presenting the curriculum and full syllabus with exceptional efficiency.

Resolution of the AC

Resolved to approve curriculum and full syllabus for the new B.Tech programme – Artificial Intelligence and Data Science, adopting the recommendations of Board of Studies.

Liz Joseph



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Introducing new courses for approval of the Academic Council, the Chairman informed that only the syllabus and other academic parts of new courses will be presented before the AC for approval. After approval of the syllabus, the full programme will be submitted to the Governing Body.

Item No.AC 1/01/6 – Approval for starting new Certificate Courses in the Department of Mechanical Engineering.

BOS for Mechanical Engineering has recommended three new Certificate courses.

- 1) FEA and CFD for Engineers using ANSYS.
- 2) Advanced Manufacturing, Metrology & Material Testing.
- 3) Mechanical QA/QC Engineering.

The syllabi for the courses have been approved by the BOS.

The Chairman invited Dr. Manoj Tharian, HOD& Chairman BOS for Mechanical Engineering to present the new courses.

The HOD explained the features of all the three courses in detail.

Dr.Tide.P.S suggested that theory part shall be increased.

The Principal suggested that Diploma shall be offered to courses having higher durations and credits. Courses having more than 60 hrs. duration and more than six credits shall be Diploma courses. He also suggested that mid/early exit shall also be permitted.

The HOD requested the Academic Council to approve the syllabi of new courses.

Resolution of the AC

Resolved to approve the syllabi of -

- 1) FEA and CFD for Engineers using ANSYS – (Certificate Course)
- 2) Advanced Manufacturing, Metrology & Material Testing–(Diploma course), accepting the recommendations of Board of Studies for Mechanical Engineering.

Also took note of reporting the certificate course - Mechanical QA/QC Engineering.

Also resolved to recommend to the Governing Body for “approval and institution” of the new courses.

Lizy Bose



Item No.AC 1/01/7 – Approval for starting two Diploma/Certificate courses in the Department of Applied Electronics & Instrumentation.

BOS for AE&I has recommended two Diploma/Certificate Courses.

- 1.Hands-on course for Artificial Intelligence and Machine learning
2. Smart Automation Tools. The syllabi for the courses have been approved by the BOS.

The Chairman invited Dr.Hari.CV, HOD& Chairman BOS for AE&I to present the courses.

The HOD briefly explained the courses. The Hands-on course for Artificial Intelligence and Machine learning, having 120 hrs duration shall be a diploma course consisting of three certificate courses (60+30+30 hrs).

“Smart Automation Tools” shall be a certificate course.

The Vice Principal suggested multiple entry to the Diploma course.

The HOD requested the Academic Council to approve the syllabi of new courses.

Resolution of the AC

Resolved to approve the syllabus of the Diploma course- “Hands-on course for Artificial Intelligence and Machine learning”.

Also resolved to approve the syllabus of the Certificate course “Smart Automation Tools.”

Accepting the recommendations of Board of Studies for Applied Electronics & Instrumentation.

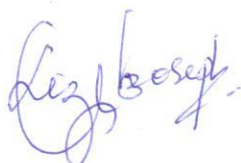
Also resolved to recommend to the Governing Body for “approval and institution” of the new courses.

Item No.AC 1/01/8 - Approval for starting new Diploma course in the Department of

Mathematics.

BOS for the Department of Mathematics has recommended one new diploma course titled “DIPLOMACOURSE IN MATHEMATICS FOR DATA SCIENCE”. The syllabus for the course has been approved by the BOS.

The Chairman invited Dr. Ramkumar.P.B, HOD & Chairman BOS for Mathematics to present the course. Presenting the course, the HOD said that though originally the course was construed as a certificate course, now it has been modified and presented as a diploma course. He elaborated that the course



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will be available, both in the online and offline formats. There will be provision for “mid exit” also.

Dr.Tide asked whether, it will be purely theoretical course or applied too?

Vice Principal Fr. Jaison Paul and Sri. Rajeev Azhuvath also suggested a practical oriented course.

Dr.Sunil Jacob John emphasized the need for well-equipped faculty.

The HOD requested the Academic Council to approve the syllabus of the new course.

Resolution of the AC

Resolved to approve the syllabus of Diploma course titled-
“DIPLOMA COURSE IN MATHEMATICS FOR DATA SCIENCE”, accepting the recommendations of Board of Studies for Mathematics.
Also resolved to recommend to the Governing Body for “approval and institution” of the new course.

Item No.AC 1/01/9 – Approval for starting of new Certificate course in Chemistry.

BOS for Chemistry has recommended one new certificate course titled “Nanocomposites”. The syllabus for the course has been approved by the BOS.

The Chairman invited Dr. Sonia Paul, Chairperson of BOS for BS&H, to present the course.

The chairperson explained the course in detail.

It is a course mainly for the students pursuing B.Tech. in Mechanical, Civil, Electronics and Communication, Chemical, Metallurgical and Materials Engineering & B.Sc. Chemistry.

The chairperson requested the Academic Council to approve the syllabus of the new course.

Resolution of the AC

Resolved to approve the syllabus of the certificate course titled-“Nanocomposites”, accepting the recommendations of Board of Studies for Chemistry.
Also resolved to recommend to the Governing Body for “approval and institution” of the new course.

Rajasekhar



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Item No.AC 1/01/10 – Approval for starting of new Certificate course in the Department of Information Technology.

BOS for the Department of Information Technology has recommended one new certificate course on Basic R Programming. The syllabus for the course has been approved by the BOS.

The Chairman invited Dr. Neeba, HOD & Chairperson of BOS for IT, to present the course.

Dr. Neeba explained the features of the course in detail. It will be a hands-on course. Duration of the course will be 50 hrs. The course will be purely online also. The chairperson requested the Academic Council to approve the syllabus of the new course.

Resolution of the AC

Resolved to approve the syllabus of the certificate course titled- “Basic R programming”, accepting the recommendations of Board of Studies for Information Technology.

Also resolved to recommend to the Governing Body for “approval and institution” of the new course.

Item No.AC 1/01/11 - Other items if any, admitted by the Chair.

The Chairman admitted presentation of a new Diploma course titled “**Health, Fitness and Sports Management**” under the Physical Education Department, which was not included in the agenda.

Dr. Sonia Paul, the chairperson of BOS for Basic Sciences and Humanities presented the Syllabus for the new course.

The intake for the course shall be 25, and a bachelor’s degree shall be the minimum educational qualification. The duration of the course shall be six months. The chairperson also informed that the syllabus for the course has been approved by the BOS.

The chairperson requested the Academic Council to approve the syllabus of the new course.

Liz Joseph



Resolution of the AC

Resolved to approve the syllabus of the course titled- “Diploma in Health, Fitness and Sports Management”, accepting the recommendations of Board of Studies for BS&H (Physical Education)

Also resolved to recommend to the Governing Body for “approval and institution” of the new course.

The chairman informed the AC that Dr. Lillykutty Jacob, who could not join the meeting, has recommended a “common format for new courses”. The AC agreed to the suggestion.

The Chairman thanked all the Academic council members for their active participation and valuable suggestions.

The meeting ended at 1.00pm

Liza Annie Joseph
Member Secretary



Prof. Dr. R. S. Sreejith
Chairman & Principal

RSET

25.01.2021