

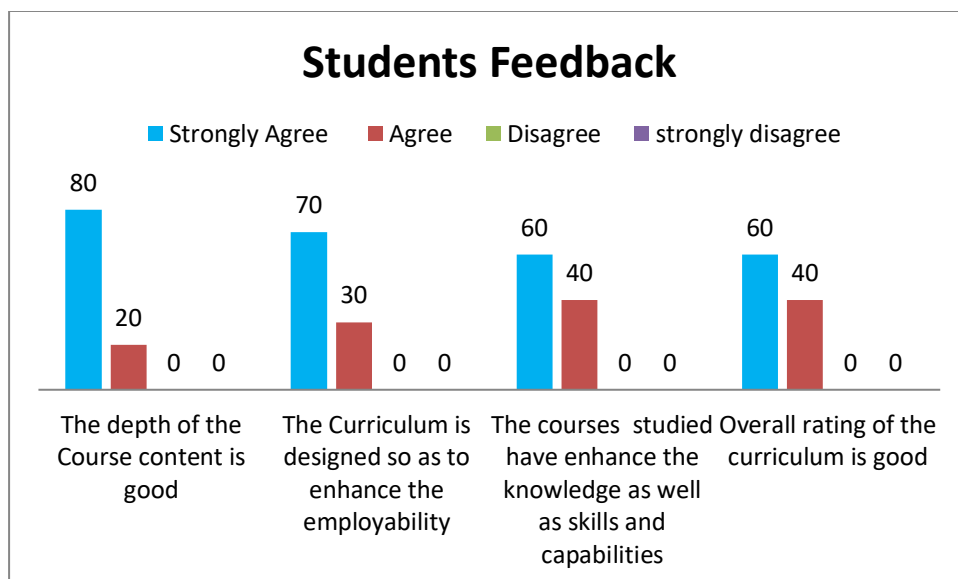


**Sri Ramakrishna Mission Vidyalaya College of Arts and Science
Coimbatore – 641 020**

Department of Electronics

Stakeholders' feedback and suggestions received for the academic year 2018-19

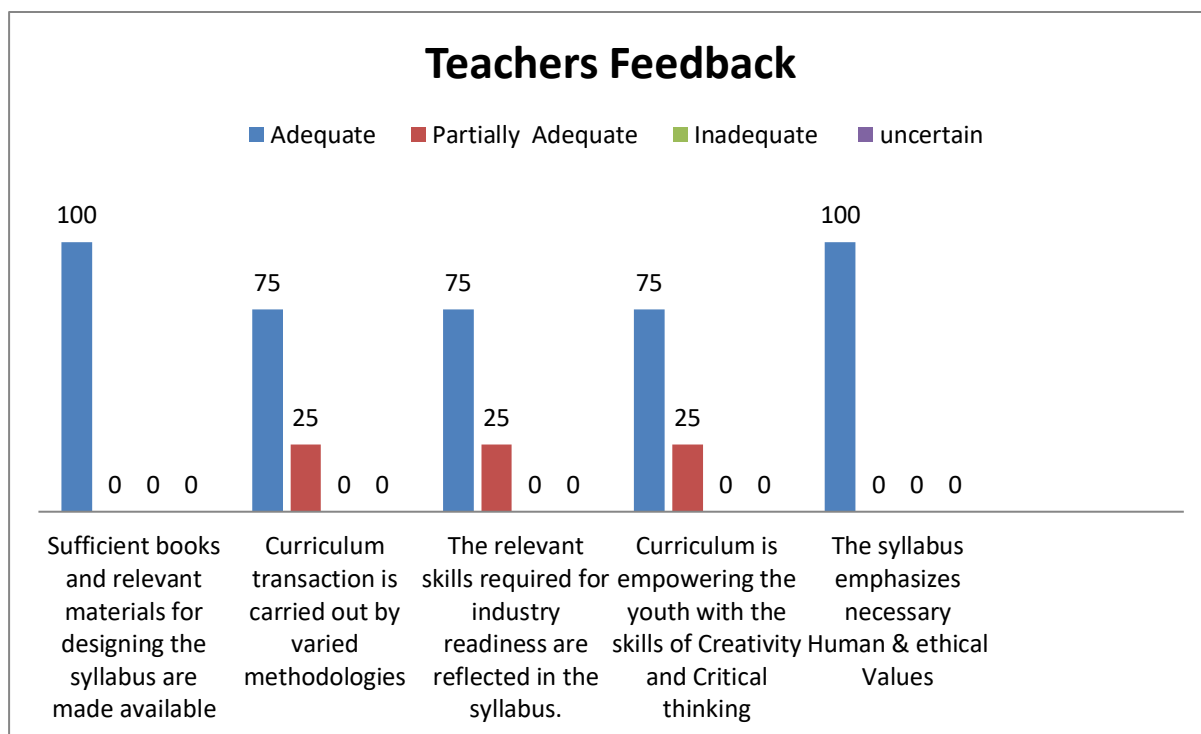
Students' feedback



Suggestions

Include more courses focused on employability.

Teachers' Feedback



Sufficient books and relevant materials

All the faculty members of the department said that sufficient books and relevant materials are available for curriculum design and development.

Methods applied to Curriculum transaction

Most of the faculty members said that the teaching methods used for curriculum transaction are adequate.

Preparedness for career placement

Most of the faculty members accepted that the relevant skills required for industry readiness are reflected in the curriculum. Others suggested to incorporate more skill based contents in the existing curriculum.

Development of Skills of creativity and critical thinking

Most of the faculty members accepted that the curriculum is empowering the youth with the skills of creativity and critical thinking.

Integration of Human and Ethical Values

All the faculty members felt that the human and ethical values are present in the existing curriculum.

Theory and Practical

Most of the faculty members felt that proportionate weightage has been given to both theory and practical.

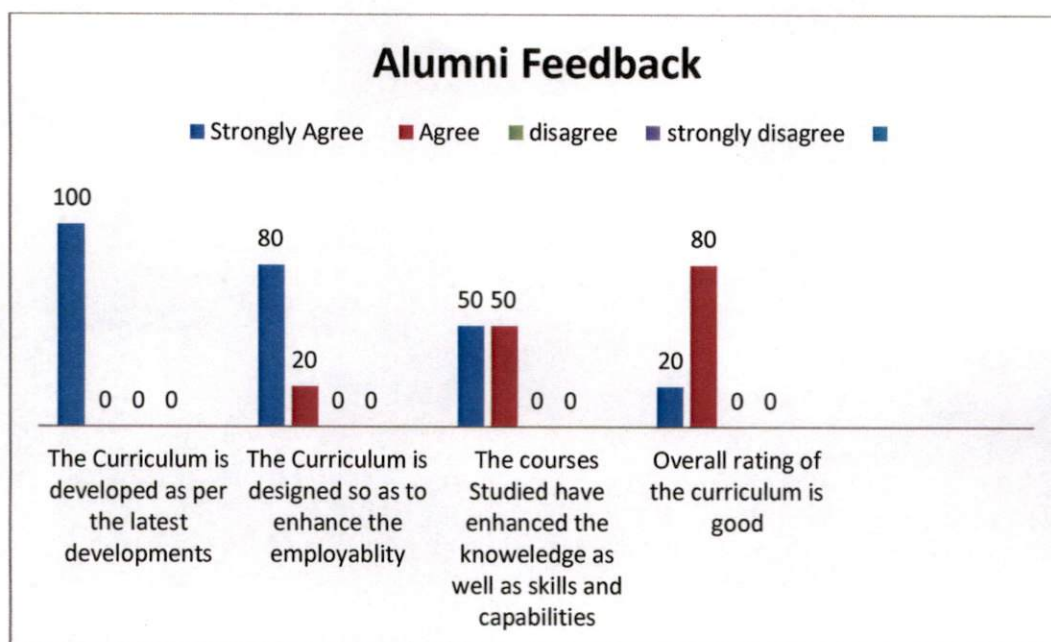
Need for instilling flexibility in curriculum

Most of the faculty members acknowledged the flexibility into the existing curriculum to meet the current technology.

Suggestions for Curriculum Enrichment


- Certificate course may be introduced.

Alumni Feedback



Suggestions

- The courses, IoT, Arduino and VLSI may be introduced.


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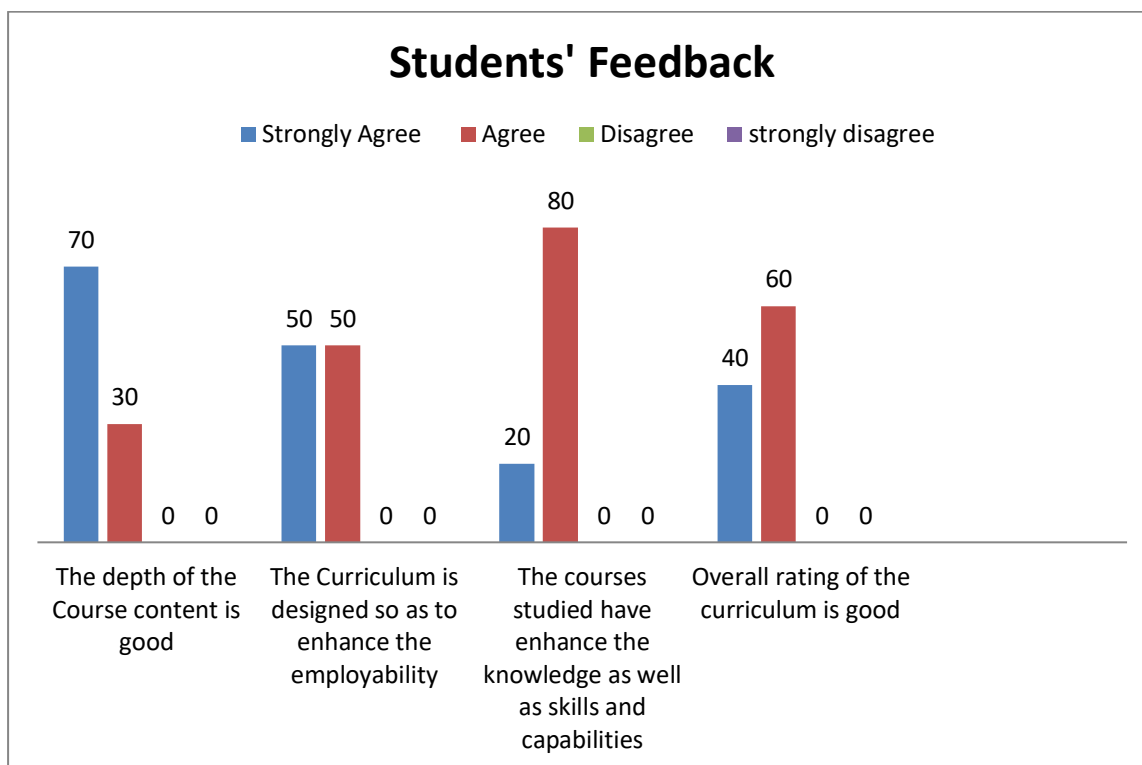

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Sri Ramakrishna Mission Vidyalaya College of Arts and Science
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Department of Electronics

Stakeholders' feedback and suggestions received for the academic year 2017-18

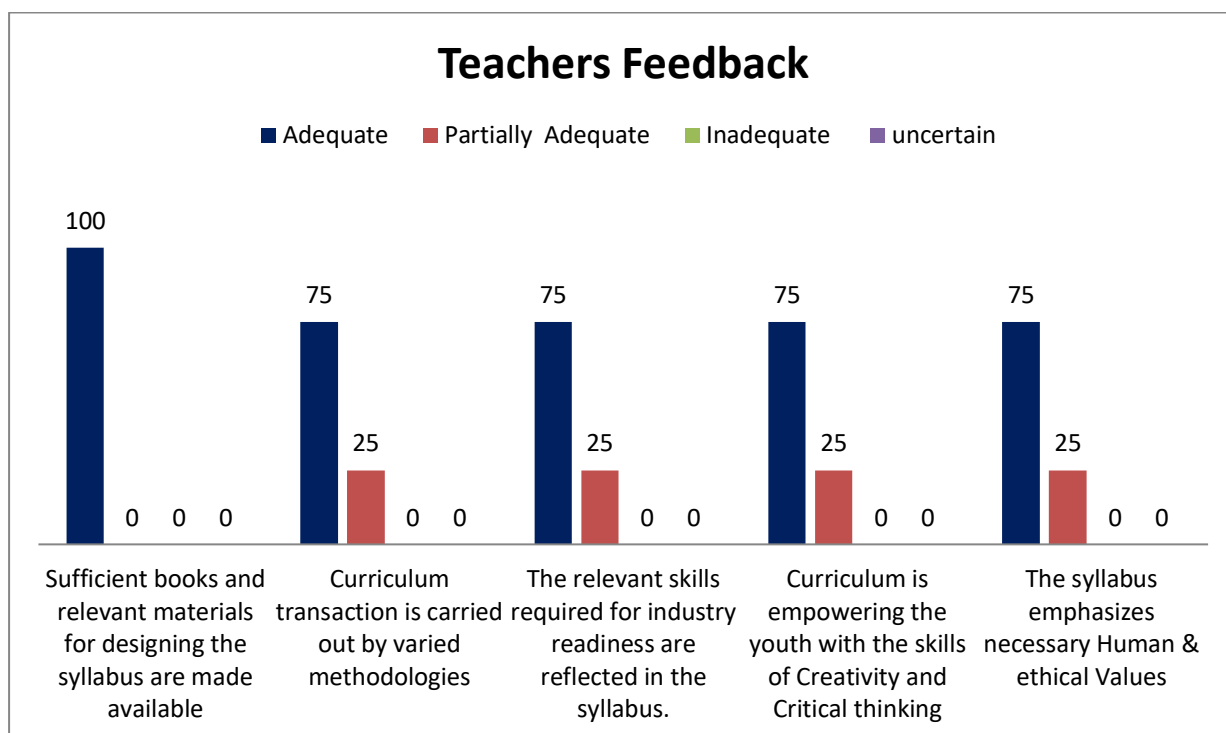
Students' feedback



Suggestions

Nil

Teachers' Feedback



Sufficient books and relevant materials

All the faculty members of the department said that sufficient books and relevant materials are available for curriculum design and development.

Methods applied to Curriculum transaction

Most of the faculty members felt that the teaching methods used for curriculum transaction are adequate.

Preparedness for career placement

Most of the faculty members accepted that the relevant skills required for industry readiness are reflected in the curriculum.

Development of Skills of creativity and critical thinking

Most of the faculty members accepted that the curriculum is empowering the youth with the skills of creativity and critical thinking.

Integration of Human and Ethical Values

Most of faculty members felt that the human and ethical values are adequately embedded in the existing curriculum.

Theory and Practical

Most of the faculty members felt that proportionate weightage has been given to both theory and practical.

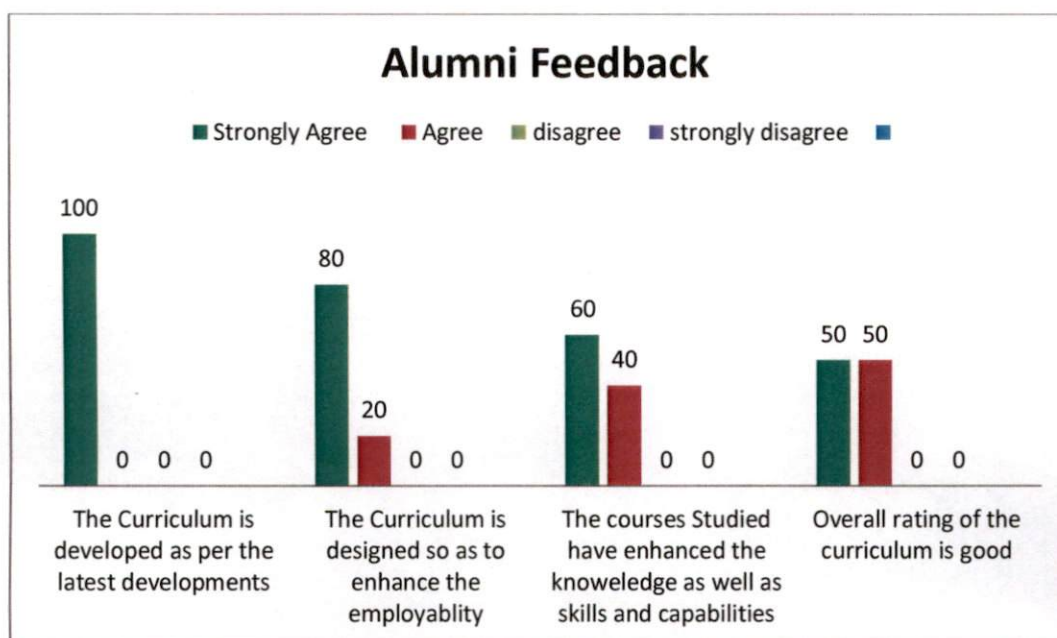
Need for instilling flexibility in curriculum

Most of the faculty members acknowledged the flexibility into the existing curriculum to meet the current technology and industry needs.

Suggestions

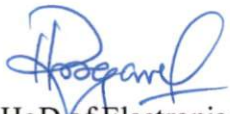
- 8085 Microprocessor and Interfacing, 8051 Microcontroller and its Applications, Industrial and Power electronics Courses may be shifted from elective to core
- OBE system may be introduced.

Alumni Feedback



Suggestions

- The courses, 8085 Microprocessor and Interfacing, 8051 Microcontroller and its Applications, Industrial and Power electronics may be shifted from elective to core.
- The courses, Biomedical Instrumentation, PC Hardware Fundamentals, TV and Satellite Communication may be shifted from core to elective.
- The course "Maintenance of Domestic appliances" may be introduced as NME


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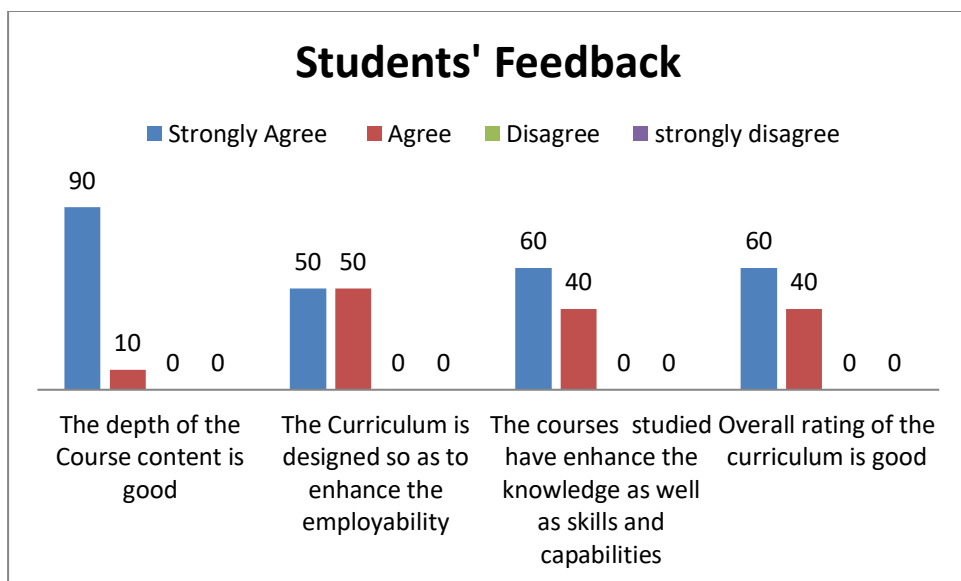


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Department of Electronics

Stakeholders' feedback and suggestions received for the academic year 2016-17

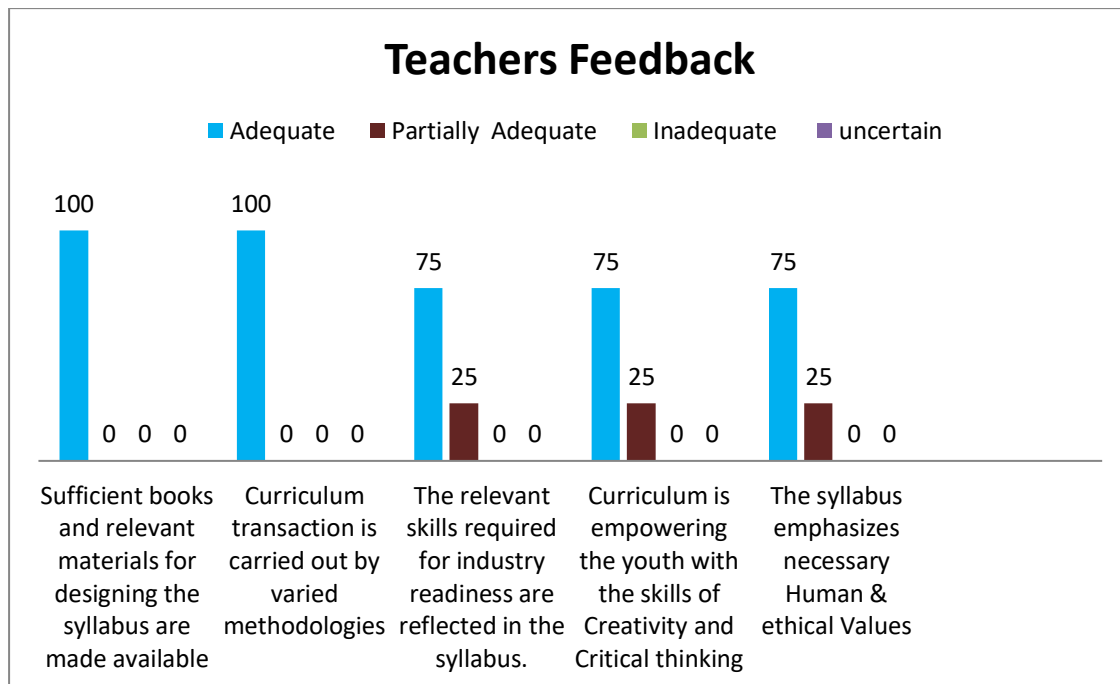
Students' feedback



Suggestions

- Add-On course is required.

Teachers Feedback



Sufficient books and relevant materials

All the faculty members of the department felt that sufficient books and relevant materials are available for curriculum design and development.

Methods applied to Curriculum transaction

All the faculty members said that the teaching methods used for curriculum transaction are adequate.

Preparedness for career placement

Most of the faculty members accepted that the relevant skills required for industry readiness are reflected in the curriculum.

Development of Skills of creativity and critical thinking

Most of the faculty members accepted that the curriculum is empowering the youth with the skills of creativity and critical thinking.

Integration of Human and Ethical Values

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Theory and Practical

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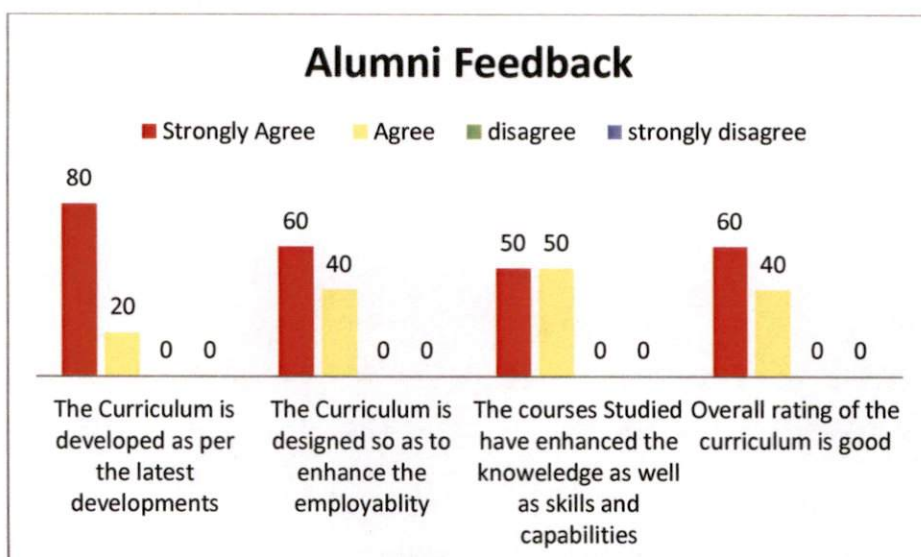
Need for instilling flexibility in curriculum

Most of the faculty members acknowledged the flexibility into the existing curriculum to meet the current needs.

Suggestions for Curriculum Enrichment


- Certificate course may be introduced
- Add-On course on “Mobile Phone Servicing” is required.

Alumni Feedback



Suggestions

- Latest technical course may be included.
- Add-on course may be included.
- Online examination for self-study course is required.


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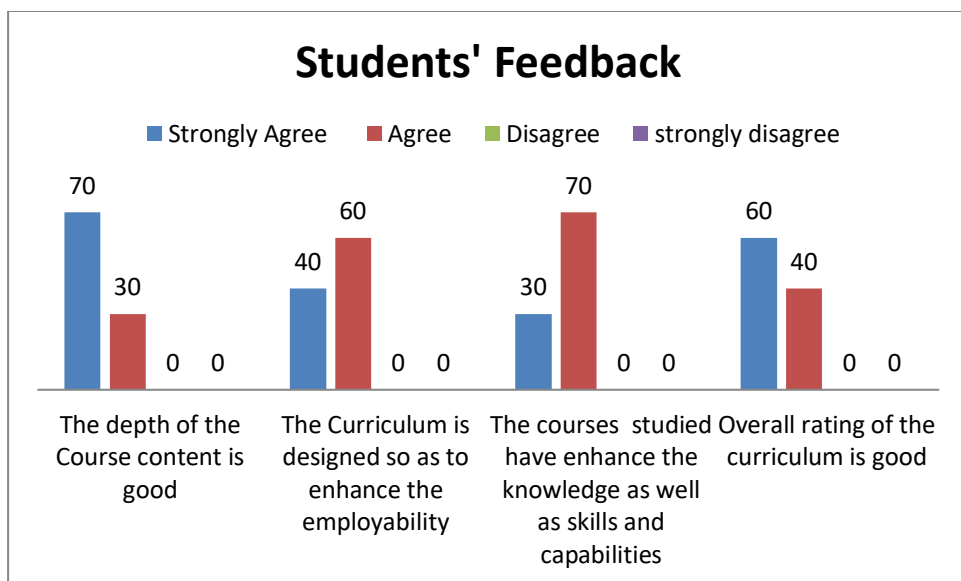


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Department of Electronics

Stakeholders' feedback and suggestions received for the academic year 2015-16

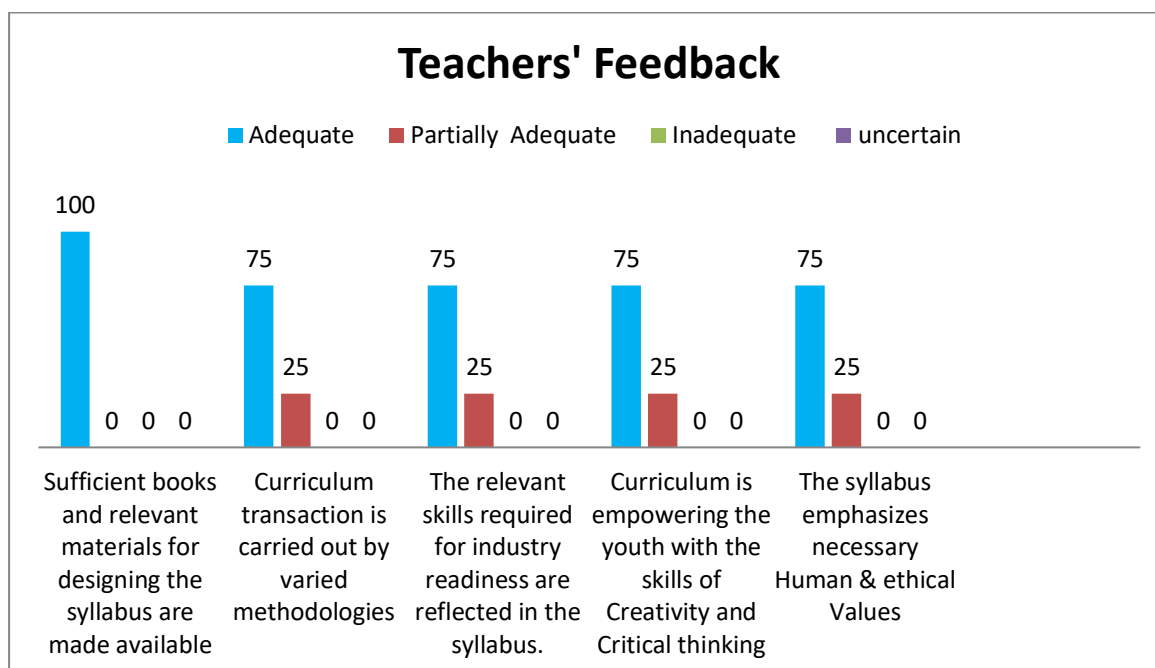
Students' feedback



Suggestions

- The courses, Antenna & Wave Propagation and Fibre Optic Communication may be revised with latest contents.
- The course “Electronic Communication practical” may be revised with new experiments.

Teachers Feedback



Sufficient books and relevant materials

All the faculty members of the department felt that the sufficient books and relevant materials are available for curriculum design and development.

Methods applied to Curriculum transaction

Most of the faculty members felt that the teaching methods used for curriculum transaction are adequate. Others suggested to inculcate new methods and strategies for teaching in the curriculum transaction.

Preparedness for career placement

Most of the faculty members accepted that the relevant skills required for industry readiness are reflected in the curriculum. Others suggested to enhance the skill oriented content to meet the industrial requirements.

Development of Skills of creativity and critical thinking

Most of the faculty members accepted that the curriculum is empowering the youth with the skills of creativity and critical thinking.

Integration of Human and Ethical Values

Most of faculty members felt that the human and Ethical values are adequately present in the existing curriculum.

Theory and Practical

Most of the faculty members felt that proportionate weightage has been given to both theory and practical.

Need for instilling flexibility in curriculum

Most of the faculty members acknowledged flexibility into the existing curriculum to meet the current trends and technologies.

Suggestions

- The course “PC hardware fundamentals” may be introduced as NME.

The following important topics to be included in the respective courses.

- **Antenna & Wave Propagation**

Unit-1 Fundamentals of Electromagnetic Waves– Ground waves- Sky wave propagation-Space waves- Tropospheric Scatter Propagation- Extraterritorial Communications.

Unit-2 ANTENNAS: Basic considerations –Electromagnetic radiation-: Current and Voltage Distribution- Radiation Patterns and Length calculation-. Types of antenna: Yagi-Uda antenna- Rhombic antenna

- **Electronic Circuits**

Unit - IV: Feedback Amplifiers: Advantages of Negative Feedback: Gain, , Increased Bandwidth, Decreased Distortion, Decreased Noise. Voltage series feedback – Voltage shunt feedback – Current series feedback-Current shunt feedback - Comparison of feedback connection

Unit - V: Oscillators and Waveform Generators: Nature of sinusoidal oscillation - oscillatory circuit - Frequency of oscillatory circuit -Tuned Circuit Oscillator: Tuned base oscillator

- **Optical Fiber Communication**

Unit-IV Communication Systems: Introduction- Transmitter for fibre optic communications- High performance Transmitter circuits- Laser Transmitter- Transmitter design- Fibre optic receiver- High performance receiver-Design of fibre optic receiver- Repeaters-Fibre based modems: Trans receiver.

Unit-V:Measurements: Introduction- Numerical Aperture- Fibre attenuation- Scattering loss- Dispersion loss- Refractive Index- Cut-off wavelength- Bending loss- Mode field diameter

Core Practical: Electronic Communication

Frequency Division Multiplexing and Demultiplexing

Time Division Multiplexing and Demultiplexing

Generation of PCM and Detection

Generation of Delta Modulation and Detection

Phase modulation

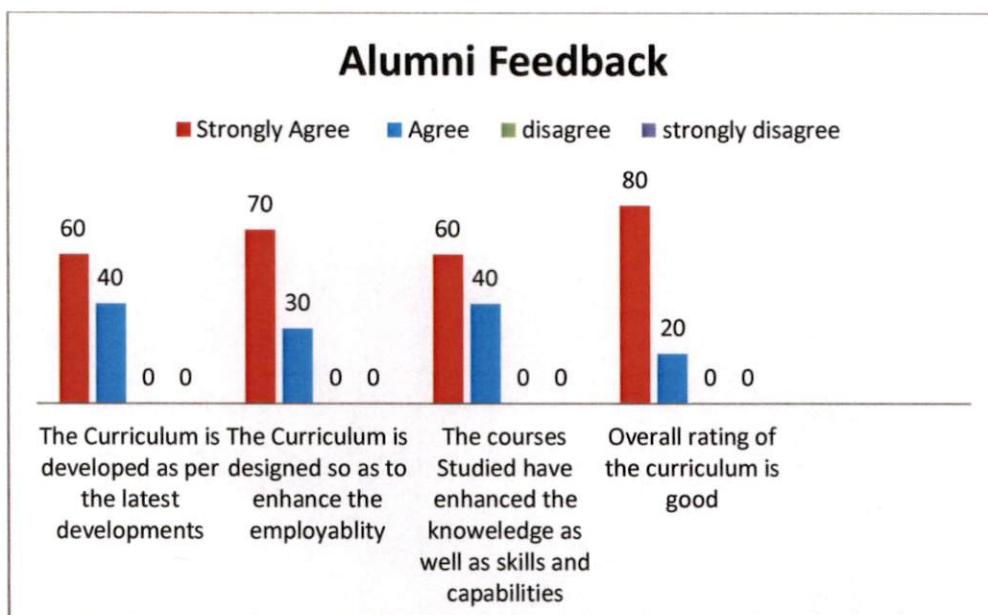
Study of Fiber Optical analog Link

Study of bending loss in Optical Fiber

Measurement of Numerical Aperture


Characteristics of Fiber Optic digital Communication Link

Alumni Feedback



Suggestions

- The course "Electronic circuits" may be enriched.
- Certificate course may be introduced.
- The course "Electronics Communication Practical" may be strengthened.
- Online examination for self-study course is required.
- The nomenclature of the course "Embedded system" may be changed as "Embedded System Design".


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